

蚌埠大洋传感系统工程有限公司

Bengbu Dayang Sensing System Engineering Co.,Ltd.

股票代码：630520

PRODUCT MANUAL



DAYSENSOR

Sensor & Measuring Instrument Products Catalogue

综合样本

国家力敏传感器研究基地

广泛应用于工业自动化行业和冶金、油田、化工、军工、航空航天、各大科研单位、院校、汽车、交通、能源、机械制造、建材等行业。

CHINA

National strength sensor research base.





主要产品：

称重传感器

扭矩传感器

微型测力传感器

压力传感器

称重控制仪表

配料仪表

变送器

各种配料控制系统

荣誉证书

CERTIFICATE OF HONOR

-2020



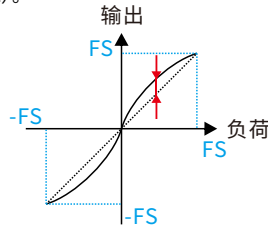


【测量范围】Measurement range

扭矩传感器可测量扭矩的范围 (Nm)。

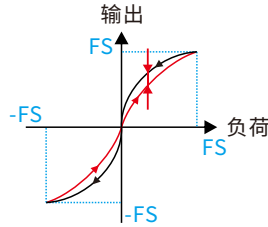
【非线性】Non-linearity

零点到全量程的理想直线与实际输出的最大偏差 (%FS)。



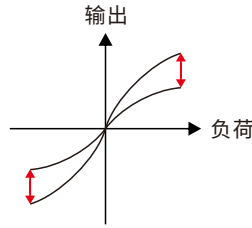
【泊松比】Poisson's ratio

纵向应变与横向应变的比值。用泊松比=横向应变/纵向应变来表示。



【重复性】Repeatability

在同一条件下施加多次负载时的最大偏差 (%FS)。



【允许过载】Safe overload

对于超出全量程的负载可以正常恢复的范围 (%FS)。

【运行温度范围】Operation temperature range

可以使用的温度范围 (°C)。

【零点温度影响】Temperature effect on zero

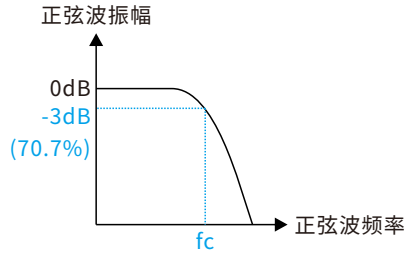
周围温度变化引起的零点的变动范围 (%FS/°C)。

【输出温度影响】Temperature effect on span

周围温度变化引起的输出 (FS) 的变动范围 (%FS/°C)。

【截止频率】Cut-off frequency

对于正弦波状的扭矩，输出为-3dB(约0.7倍)的频率 (Hz)。



【扭力常数】Torsional constant

扭转1rad所需的扭矩 (Nm/rad)。

【额定扭转角】Maximum torsional angle

施加最大负载状态下的扭转角 (rad)。

【惯性力矩(初始)】Inertia moment

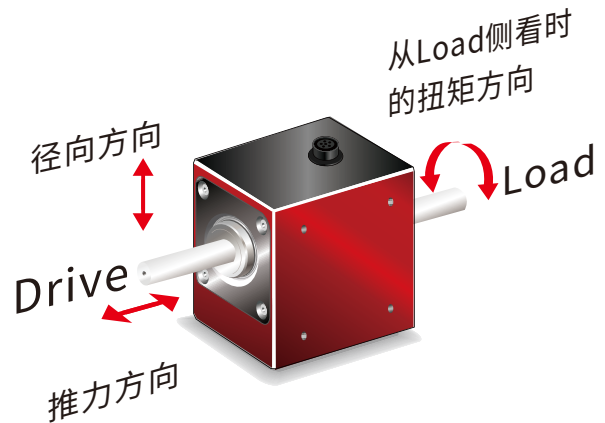
角加速度和扭矩的比例常数 (kgcm²)。

【推力方向】Thrust direction

在本产品中与旋转轴平行的方向。

【轴力方向】Radial direction

在本产品中与旋转轴垂直的方向。



【关于单位的说明】

单位	名称	说明
Nm	牛米	扭矩的单位。1Nm指1N的力作用在1m的力臂上时,对旋转中心施加的扭矩方向的力(力矩)
rpm	转/分	1分钟的转数
rad	弧度	角度的单位。1rad约57.2957°
FS	全量程	测量范围内的最大值。%FS是全量程百分比的缩写

【换算表】

	Nm	Ncm	kgm	kgcm	gcm	Ncm
Nm	1	10 ²	0.10197	10.197	1.0197x10 ⁴	10 ³
Ncm	10 ⁻²	1	1.0197x10 ⁻³	0.10197	1.0197x10 ²	10
kgm	9.8067	9.8067x10 ²	1	10 ²	10 ⁵	9.8067x10 ³
kgcm	9.8067x10 ⁻²	9.8067	10 ⁻²	1	10 ³	98.067
gcm	9.8067x10 ⁻⁵	9.8067x10 ⁻³	10 ⁻⁵	10 ⁻³	1	9.8067x10 ⁻²
mNm	10 ⁻³	0.1	1.0197x10 ⁻⁴	1.0197x10 ⁻²	10.197	1

【允许温度范围】Safe temperature range

不符合规格,但是,不会发生永久性特性变化的可以使用的温度范围在(°C)。

【允许过载】Sage overload

不符合规格,但是不会发生永久特性变化的最大负荷,用相对于额定容量的百分比表示(%RC)。

【弹性体簧】elastomer

与所受应力成比例发生形变的部件。

【潜在变形】Creep

一定条件下,施加一定时间的额定负载时出现的输出变化。表示30分钟内对额定输出的变化的百分比的绝对值(%R.R./30min)。

【重复性】Repeatability

在相同条件下,反复施加负载时,相对于负载增加时同一负载的输出差的最大值。表示对额定输出的百分比的绝对值(%R.O.)。

【固有振动数】Natural frequency

转换器无负荷时,自由振动的振动次数(kHz)。

【最大激励电压】Maximum excitation voltage

施加的不会导致转换器特性发生变化的最大激励电压(V)。

【允许过载上限】Maximum safe overload

结构上不会造成永损伤时的极限负荷,用相对于额定容量的百分比表示(%R.C.)。

【最大平台尺寸】Maximum platform size

能够满足JIS B 7611-2:2009中对偏置负荷的规定的、承载面的最大尺寸(mm)。

【输出端子间阻抗】Output resistance

在标准测试温度下,在无负荷打开输入端子的状态下测量到的输出端子之间的阻抗(Ω)。

【输出温度影响】Temperature effect on span

周围温度变化引起的额定输出的变化,表示每10°C的变化对额定输出的百分比的绝对值(%R.O./10°C)。

【推荐激励电压】Recommended excitation voltage

使用转换器时,最合适的激励电压(V)。

【绝缘阻抗】Insulation resistance

转换器电路与转换器本身之间的直流阻抗。通常使用DC50V测量(M Ω)。

【零点的温度影响】Temperature effect on zero

周围温度变化引起的无负载输出(零点平衡)的变化。表示每10°C的变化与额定输出的百分比的绝对值(%R.O./10°C)。

【零点平衡】Zero balance

无负荷时的输出。用相对于额定输出的百分比表示(%R.O.)。

【额定输出】Reated output (R.O.)

额定负荷输出与无负荷输出(零点平衡)的差。用每1V激励电压的输出表示(mV/V)。

【额定容量】Rated capacity (R.C.)

在转换器规格范围内能够测量到的最大负荷。

【输入端子间阻抗】Iput resistance

在标准测试温度下,在无负荷打开输出端子的状态下测量到的输入端子之间的阻抗(Ω)。

【转换器】Transducer or Sensor

将物理信号转换为电气信号的装置。

【滞后】Hysteresis

负载增加或减小至额定负载时,产生的同一负载的输出差的最大值。表示用对额定输出的百分比的绝对值(%R.O.)。

【应变仪】Strain gage

将应变的大小转变为电气阻抗变化的装置。

【非线性】Non-linearity

在负载增加时的校正曲线上,与连接无负载点与额定负载点的直线的最大偏差。表示对额定输出的百分比的绝对值(%R.O.)。

【泊松比】Poisson's ratio

纵向应变与横向应变的比值。用泊松比=横向应变/纵向应变来表示。

【惠斯通电桥】Wheatstone bridge

将电阻变化转换为电压变化的电路。

【防护等级】Degress of protection

防止外来物体侵入和(或)浸水的保护程度,用JIS C 0920中规定的IP编码来表示。

【补偿温度范围】Compensated temperature range

为了确保零点温度影响和输出温度影响能满足规格。而补偿的温度范围(°C)。

【传感器】Load cell

将力的大小转换为电气信号的转换器。

标准 STANDARD

【CE】Conformite Ruropeenne表示产品符合EC指令中对安全性和噪音性能等所有要求的标识,是在EU地区开展商务交易的必须条件。符合EC指令时,可以在自己的责任范围内自行粘贴CE标识。



【DIN】Deutsche Industrie Normen

相当于日本JIS标准的德国工业标准。

【IP】International Protection

防尘、防水的防护等级。



【精度等级】Accuracy Class

交易或证明时可以使用,用于批准型号的指示器模块,该标识标识符合计量法(标准编号JIS B 7611-2:2009)。(精度等级:3级)。



其他
OTHERS

【RoHS】

Restriction of the use of the certain Hazardous Substances in electrical and electronic equipment电子电气设备中使用特定有害成分的限制。禁止在EU地区销售的电子电气产品中使用可能给环境和人体带来不良印象的化学物质的指令。限制对象的有害物质包括铅、汞、镉、六价铬、PBB(多溴联苯)和PBDE(多溴联苯醚)6种物质。



【RTI】Referred to input

输入换算。

【标度分格】Scale division

指示值变化时的最小变化幅度。通常与最小刻度一致。

【模拟滤波器】Analog filter

信号处理方式，清除来自传感器的信号中的杂波和不需要的振动成分，提取目标信号频率成分。先于量子化(数字化、A/D变换)，通过电子电路实现。→请参阅数字滤波器、杂波

【激励电压】Excitation voltage

施加到传感器电桥上的电压值。

【增益漂移】Gain drift

每1°C的温度变化产生的增益偏移(ppm/°C)。一般是指，从施加某一温度变化时的指示变化率减去零点变化量的差，除以所施加的温度差所得的值。指示变化率是变化部分除以最大显示值(全量程)所得的值。

【最小输入灵敏度】Sensitivity

指示值变化一个刻度所需的最小输入电压(μV/count)。

$$\text{最小输入灵敏度}[\mu\text{V}/\text{count}] = \frac{\text{输入电压}[\mu\text{V}]}{\text{分辨率}}$$

输入电压[μV]=

$$\text{额定输出}[\text{mV}/\text{V}] \times \frac{\text{全量程}}{\text{额定容量}} \times \text{激励电压}[\text{V}] \times 10^3 (\mu\text{V} \text{换算})$$

分辨率=量子化(数字化)的最大值

【最大称量值】Capacity

称量器的最大称量值。

【实际负荷校正】Actual load calibration

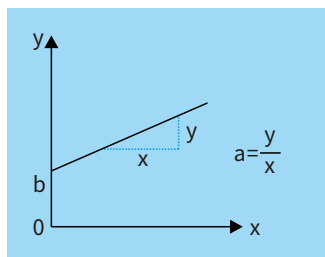
向传感器施加实际重量和压力进行校正的方法。→请参阅等价输入校正

【信号输入范围】Signal input range

可以施加给信号输入端子的电压和电流的范围。

【零点、量程校正】Zero/span calibration

把来自传感器的输入信号量子化，将数值转换为实际物理量(例如，重量、压力等)的值叫做量程校正。把任意信号强制性归零叫做零点校正。



$$y = ax + b$$

y: 显示值

x: 将来自传感器的信号
转为量子化后的值

a: 倾斜

b: 零点校正值

【零点漂移】Zero drift

输入换算中每1°C温度变化引起的零点的偏移(μV/°C RTI)。一般是指，施加某一温度变化时的零点变化除以最大显示值后，把所得的值进行输入换算后的值。

【typ.】Typical

标准值。

【DZ调整值】Digital zero regulation value

可以通过数字零和零点跟踪进行零点修正的范围。

【数字滤波器】Digital filter

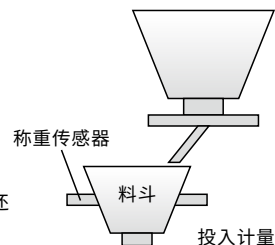
移动平均型数字滤波器，对量子化的数值进行移动平均处理。→请参阅模拟滤波器

【等价输入校正】Equivalent input calibration

直接输入与向传感器施加实际重量和压力时产生的电气信号变化同等的电气信号进行校正。→请参阅实际负荷校正

【投入计量】Feed weighing

向计量槽(料斗)中投入原料，根据增加的重量控制投入量的计量方式。

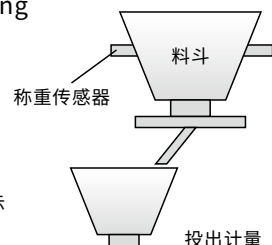


【杂波】Noise

影响信号，妨碍计量的外部干扰。除了马达振动等传给传感器的机械杂波之外，还有线路杂波、电磁波、静电等电气杂波。→请参阅模拟滤波器

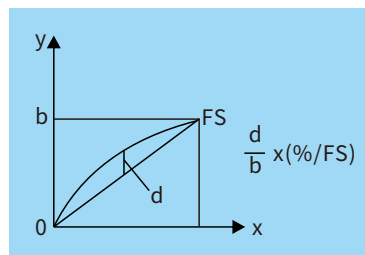
【排出计量】Discharge weighing

事先向计量槽(料斗)中补充原料，然后将原料排出，根据减少的重量控制排出量的计量方式。



【非线性】Non-linearity

连接零点和最大值的假想直线与实际指示值之间的偏差，用相对于最大值的比率来表示。指示值中，指连接基点和输出最大值的直线与测量曲线之间的最大偏差。用相对于全量程(FS)的比率表示(%/FS)。



y: 指示值
x: 输入信号的
量子化数值

【分辨率】Resolution

把最大输入信号进行量子化处理时，将其分成几等份。可以用量子化的最大值表示，也可以用其相反数表示。

【1/4刻度】1/4 Scale

检测出重量值刻度的中央(±1/4刻度以内)的功能。在指示器内部，可以通过具有1个刻度的4倍的分辨率来实现该功能。

【遥感方式】Remote sensing type

设置向传感器供电的电源线与检测出该电源线电压降的线缆，不受电源线长度和温度变化的影响，自动将向传感器传送电压保持在一定范围的功能。

【比率方式】Ratio metric type

为了使传给传感器的电压能量子化，把基准电压设为相同时，由于温度和时间变化会产生电压误差。比率方式能抵消该电压误差，并进行正确的量子化处理。

传感器

S型拉压力传感器

 DYLY-101
量程: 0-20T **001**

002 DYLY-102
量程: 0-7T 

 DYLY-103
量程: 0-5T **003**

004 DYLY-104
量程: 0-10T 

 DYLY-105
量程: 0-1.5T **005**

006 DYLY-106
量程: 0-100kg 

 DYLY-107
量程: 0-200kg **007**

007 DYLY-108
量程: 0-200kg 

 DYLY-109
量程: 0-10kg **008**

009 DYTSC
量程: 50kg-1T 

轮辐式称重传感器

 DYLF-101
量程: 0-50T **010**

011 DYLF-102
量程: 0-450T 

 DYLF-104
量程: 0-100KN **012**

013 DYLF-105
量程: 0-500T 

悬臂梁式传感器

 DYX-301
量程: 0-10T **014**

015 DYX-302
量程: 0-5T 

 DYSBS
量程: 0-3T **015**

016 DYHLJ
量程: 0-5T 

 DYX-305
量程: 0-2000kg **017**

018 DYX-306
量程: 0-500kg 

 DYX-307
量程: 50kg-1T **019**

020 DYX-309
量程: 0-10KN 

 DYBW-106
量程: 0-1000kg **021**

022 DYZX-001
量程: 0-100T 

 DYBH-101
量程: 0-100T **023**

024 DYQ-101
量程: 1-30T 

 DYZC-055
量程: 0-20T **025**

张力传感器



DYZHL
量程: 0-1000N **026**

027

DYZL-101
量程: 1-200KN



DYZL-104
量程: 0-200KN **028**

029

DYZL-105
量程: 5-12000N



DYZL-106
量程: 20-300N **030**

031

DYZL-107
量程: 0-100kg

微型传感器



DYHW-108
量程: 0-200kg **032**

032

DYHW-110
量程: 1-100kg



DYHW-113
量程: 0-200kg **033**

033

DYHW-116
量程: 0-10T



DYHW-120
量程: 0-2000kg **034**

膜盒式称重传感器



DYM-101
量程: 50kg-15T **035**

036

DYM-102
量程: 50kg-10T



DYM-103
量程: 0-500kg **037**

038

DYM-104
量程: 0-5T



DYM-105
量程: 0-2T **039**

040

DYM-106
量程: 0-500kg



DYM-107
量程: 0-20KN **041**

042

DYM-113
量程: 0-50kg



DYTB-001
量程: 1-200kg **043**

044

DYTB-002
量程: 1-500kg

压力变送器



DYPT-603
量程: -0.1-60Mpa **045**

柱式称重传感器

046

DYZ-100
量程: 0-100N

047

DYZ-101
量程: 0-2000kg

048

DYZ-102
量程: 0-50kg

049

DYZ-103
量程: 0-50KN

050

DYZ-104
量程: 0-100KN

051

DYZ-105
量程: 0-3000kg

052

DYZ-106
量程: 0-50KN

053

DYZ-011
量程: 0-1000T



D620一体式称重显示
模块/仪表

054

DYZ-013
量程: 0-30T

055

DYZ-014
量程: 0-100T

056

DYZ-016
量程: 3-30T

057

DYHX-001
量程: 0-100kg

058

DYHX-002
量程: 5-50T

059

DYHX-003
量程: 0-5000kg

060

DYHX-003
量程: 0-5000kg

多维力传感器



DYDW-001
量程: 0-1000kg **061**

062

DYDW-003
量程:
1-50N.m
50-1000N



DYDW-004
量程: 5-100kg **063**

064

DYDW-005
量程: 0.1-5KN



DYDW-006
量程: 5-100kg **065**

066

DYDW-007
量程: 0-1000kg



称重模块



DYMK-001
量程: 0-15T **067**

068

DYMK-002
量程: 0-60T



DYMK-006
量程: 0-500kg **069**

070

DYFW
量程: 0-25T



DYCW
量程: 0-20T **071**

072

DYFWC
量程: 0-20T



DYMK-007
量程: 0-10T **073**

静态扭矩传感器

074

DYJN-101
量程: 0-1万N.m



DYJN-102
量程: 0-200N.m **075**

076

DYJN-103
量程: 0-3000N.m



DYJN-104
量程: 0-150N.m **077**

动态扭矩传感器



DYN-502
量程: 0-5万N.m **078**

079

DYN-200
量程: 0-2万N.m



DYN-201
量程: 0-30万N.m **081**

082

DYN-201D
量程: 0-500N.m



DYN-204
量程: 0-5N.m **083**

084

DYN-205
量程: 0-5N.m



DYN-206
量程: 0-800N.m **085**

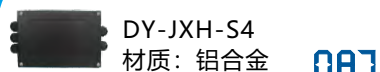
086

DYN-207
量程: 0-200N.m



仪器仪表

接线盒/变送器

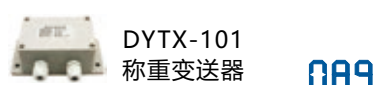


DY-JXH-S4
材质：铝合金

087

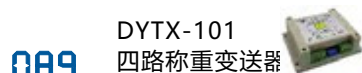
088

DY-JXH
材质：不锈钢



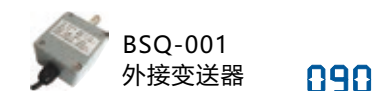
DYTX-101
称重变送器

089



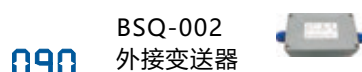
089

DYTX-101
四路称重变送器



BSQ-001
外接变送器

090



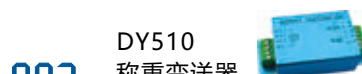
090

BSQ-002
外接变送器



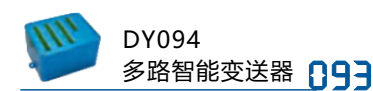
DY500
智能数字变送器

091



092

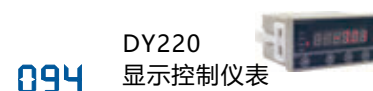
DY510
称重变送器



DY094
多路智能变送器

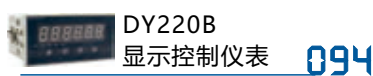
093

显示控制仪表



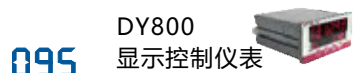
094

DY220
显示控制仪表



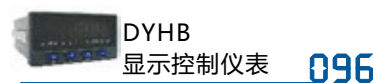
094

DY220B
显示控制仪表



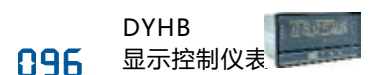
095

DY800
显示控制仪表



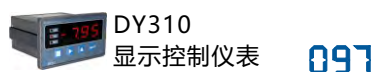
096

DYHB
显示控制仪表



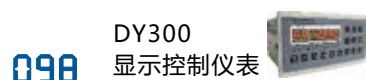
096

DYHB
显示控制仪表



097

DY310
显示控制仪表



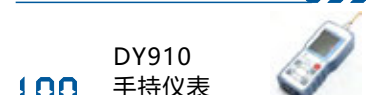
098

DY300
显示控制仪表



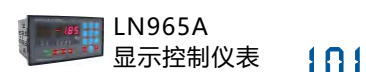
099

DYSC-101
手持仪表



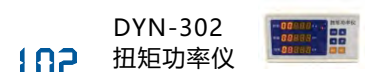
100

DY910
手持仪表



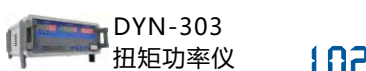
101

LN965A
显示控制仪表



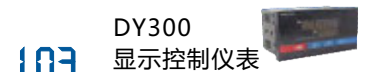
102

DYN-302
扭矩功率仪



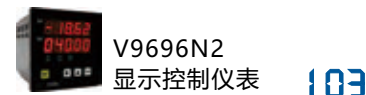
102

DYN-303
扭矩功率仪



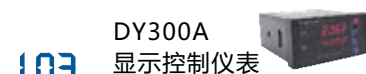
103

DY300
显示控制仪表



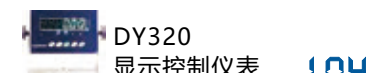
103

V9696N2
显示控制仪表



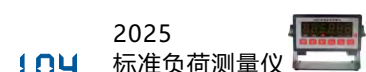
103

DY300A
显示控制仪表



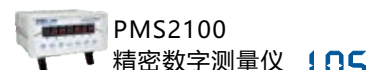
104

DY320
显示控制仪表



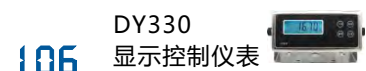
104

2025
标准负荷测量仪



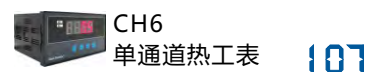
105

PMS2100
精密数字测量仪



106

DY330
显示控制仪表



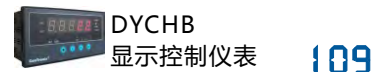
107

CH6
单通道热工表



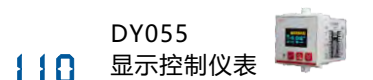
010

XSB2
显示控制仪表



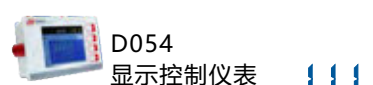
109

DYCHB
显示控制仪表



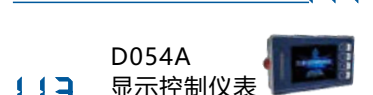
110

DY055
显示控制仪表



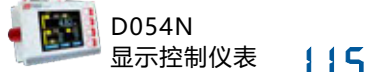
111

D054
显示控制仪表



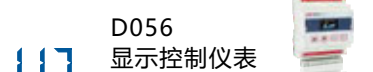
113

D054A
显示控制仪表



115

D054N
显示控制仪表



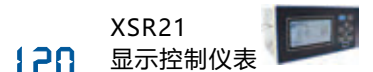
117

D056
显示控制仪表



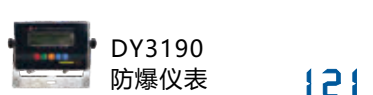
119

700WC
显示控制仪表



120

XSR21
显示控制仪表



121

DY3190
防爆仪表

软件



122

DYN-200配套软件



123

DAYSENSOR DAQ 通用软件

定制产品/实例

125-126

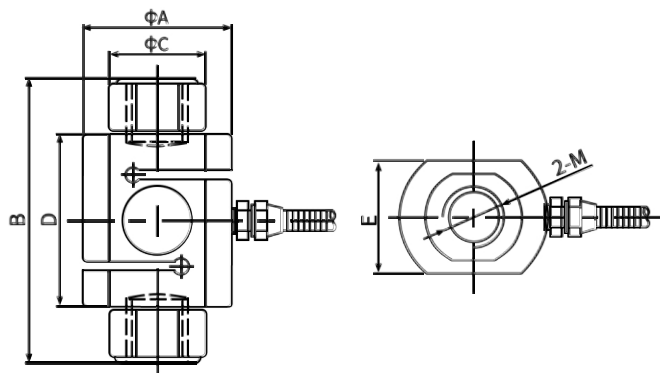


DYLY-101 S型拉压力传感器

S-type tension pressure sensor



外形尺寸 External Dimension



量程	ΦA	B	ΦC	D	E	M
0-1000kg	44	88	28	56	26	M16x1.5
1-5T	58	112	38	68	44	M24x3
10T	84	160	60	104	58	M36x4
20T	88	156	68.5	108	76	M36x4

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

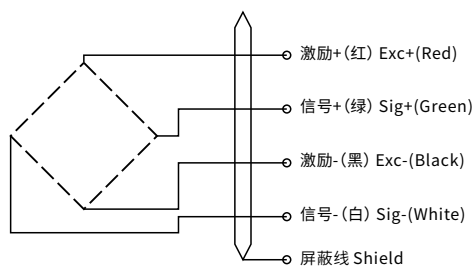
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

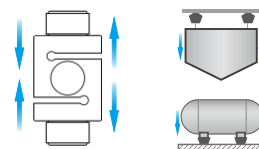
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

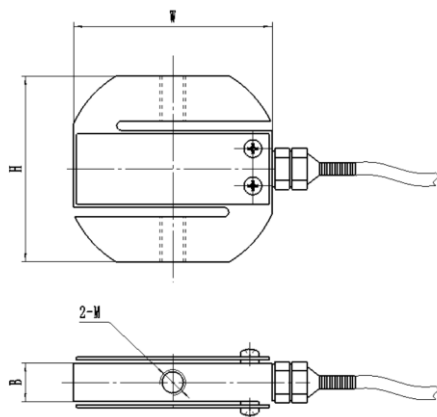
量程 Capacity	0-20T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5 <2T 3m、>2T 5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-102 S型拉压力传感器

S-type tension pressure sensor



外形尺寸 External Dimension



量程	M	W	H	B
1-30kg	M8X1.25	62	58	12
50-200kg	M12X1.75	70	64	20
300-500kg	M12X1.75	70	64	20
1T	M16*2	70	64	25
2-7T	M20*2.5	84	92	32

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

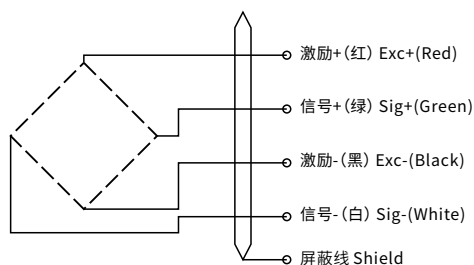
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

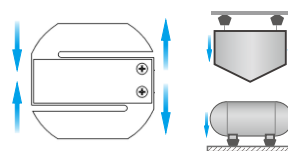
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

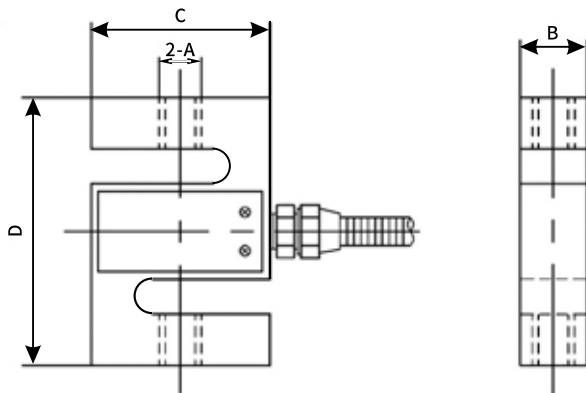
量程 Capacity	0.2-1T 2-7T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ5:0.2-1T/2m/2-7T/5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-103 S型拉压力传感器

S-type tension pressure sensor



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

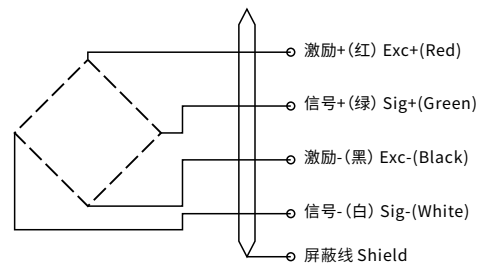
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

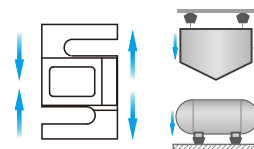
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程	A	B	C	D
2-50kg	M8X1.25	12.7	50.8	63.5
100-300kg	M12X1.75	19	50.8	76.2
500kg-1.5t	M12X1.75	25.4	50.8	76.2
2-5t	M18X1.5	25.4	76.2	108

参数表 Parameters Table

量程 Capacity	0.2-1T 2-5T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10%mv/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5:0.2-1T/2m、2-5T/5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-105 S型拉压力传感器

S-type tension pressure sensor



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

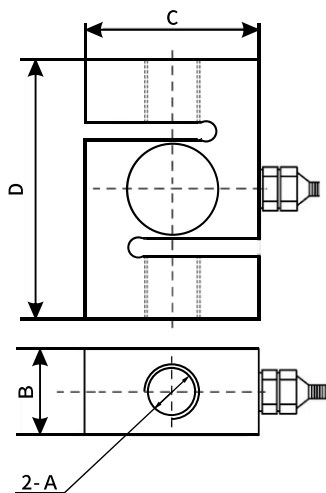
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

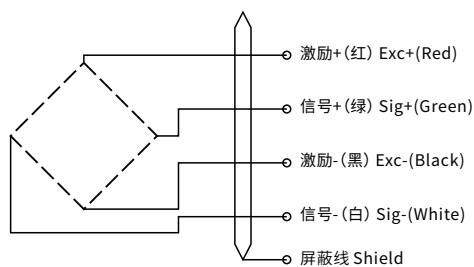
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

外形尺寸 External Dimension

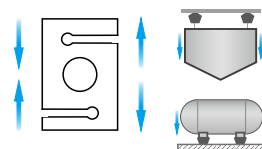


量程	A	B	C	D
100-500kg	M12X1.75	19	50.8	76.2
1-1.5T	M16X2	25.4	50.8	76.2

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-1.5T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-104 S型拉压力传感器

S-type tension pressure sensor



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

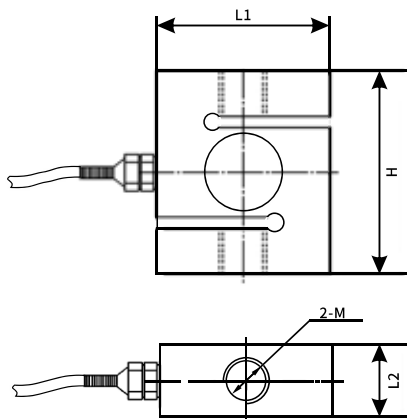
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

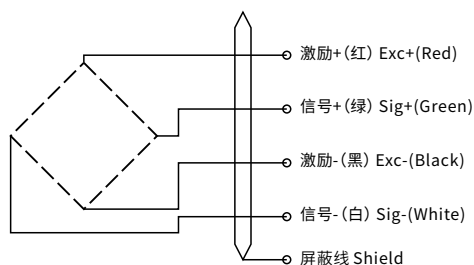
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

外形尺寸 External Dimension

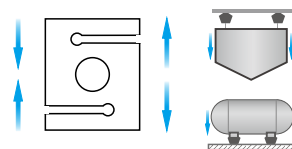


量程	2-M	H	L2	L1
200-500kg	M12X1.75	70	25	60
700kg-1t	M16X 2	70	25	60
2t	M16X 2	70	25	64
3t-5t	M18X1.5	94	35	86
10t	M30*2	137	60	110

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

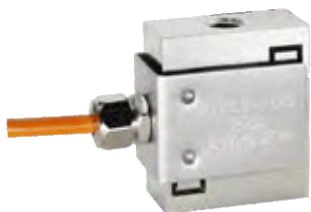


参数表 Parameters Table

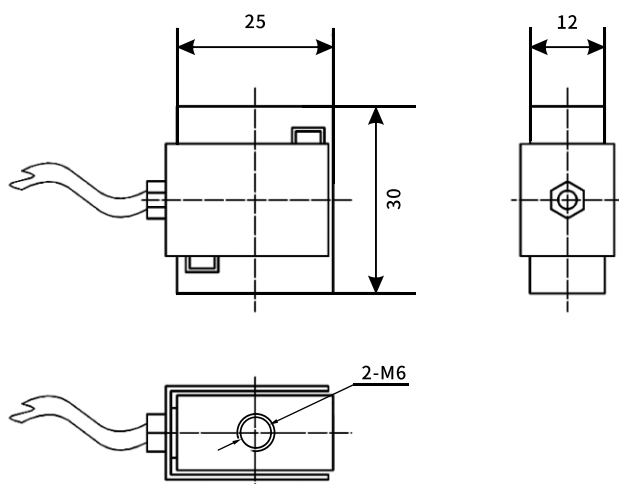
量程 Capacity	0-2T 2-10T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5:0-2T/2m/2-10T/5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-106 S型拉压力传感器

S-type tension pressure sensor



外形尺寸 External Dimension



量程(kg) 1 2 3 5 10 20 30 50 100

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

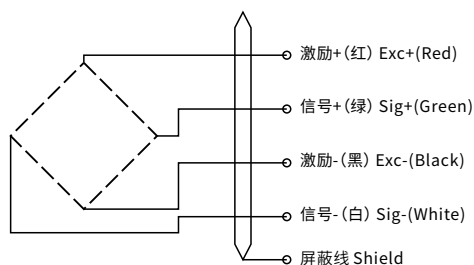
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

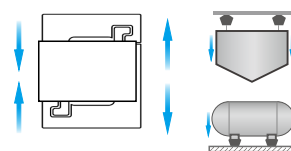
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



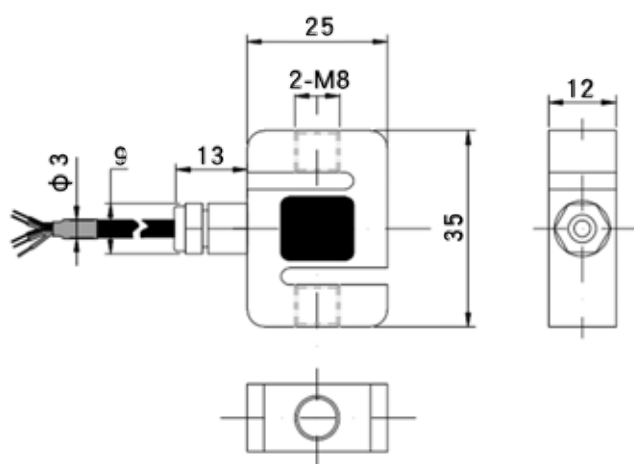
参数表 Parameters Table

量程 Capacity	0-50kg	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.03%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLY-107 S型拉压力传感器 S-type tension pressure sensor



外形尺寸 External Dimension



量程(kg) 5 10 20 30 50 100 200

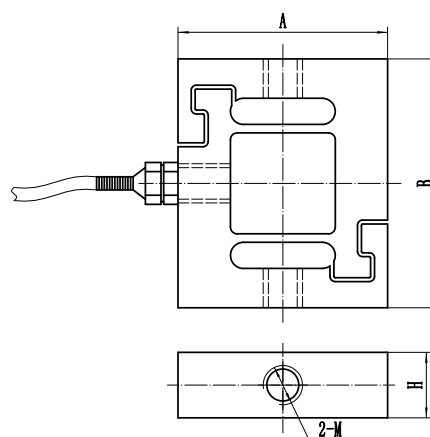
参数表 Parameters Table

量程 Capacity	0-200kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.05%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.03%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ3x2m
线缆极限拉力 Cable ultimate pull	10kg
TEDS可选	

DYLY-108 S型拉压力传感器 S-type tension pressure sensor



外形尺寸 External Dimension



量程(kg)	M	H	A	B
0.5-10	M3	5	16	19.1
20-50	M4	6	16	19.1
100-200	M8	14	26	40

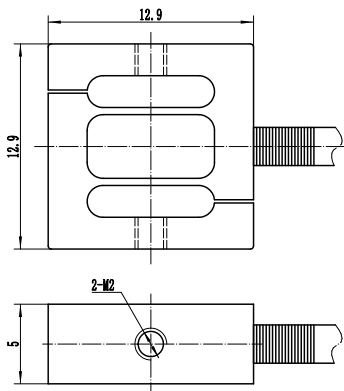
参数表 Parameters Table

量程 Capacity	0-200kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.1%F.S.
滞后 Hysteresis	0.05%F.S.
重复性 Repeatability	0.05%F.S.
蠕变(30分钟) Creep(30min)	0.05%F.S.
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	<100kg: φ2x1m >100kg: φ3x2m
线缆极限拉力 Cable ultimate pull	10kg
TEDS可选	

DYLY-109 S型拉压力传感器
S-type tension pressure sensor



外形尺寸 External Dimension



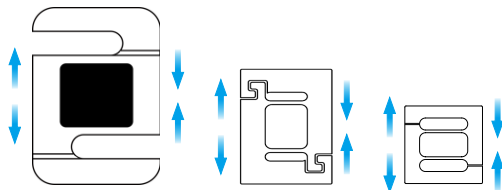
量程(kg) 0.5 1 2 5 10

参数表 Parameters Table

量程 Capacity	0-10kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.10%F.S.
滞后 Hysteresis	0.05%F.S.
重复性 Repeatability	0.05%F.S.
蠕变(30分钟) Creep(30min)	0.05%F.S.
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ2x2m
线缆极限拉力 Cable ultimate pull	10kg
TEDS可选	



传感器受力图 Force diagram of sensor



应用领域 Application



- 3C数码检测
- 助力装置
- 3C digital detection
- Booster device



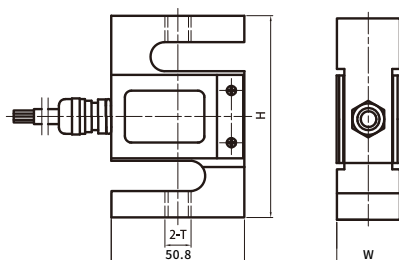
- 机械臂机械手
- Manipulator

DYTSC S型拉压力传感器

S-type tension pressure sensor

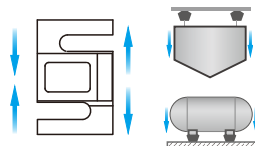


外形尺寸 External Dimension



量程(kg)	W	T
50,100,200	18.5	M10X1
300	24.4	M10X1
500	24.4	M12X1
1000	36	M12X1

传感器受力图 Force diagram of sensor



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

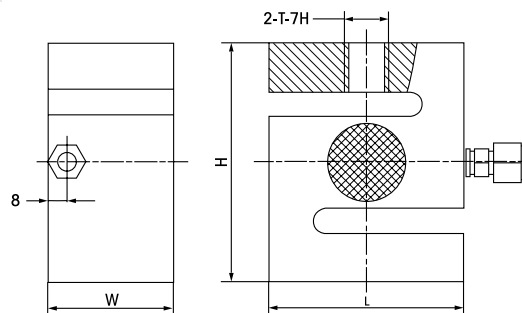
万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

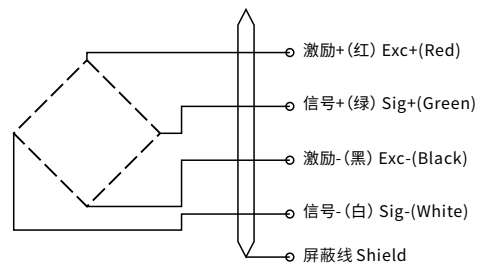
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.



量程(kg)	L	H	W	T
2000	70	86	45	M16x1.5
3000	80	100	50	M18x1.5
5000	92	130	58	M20x2

传感器接线示意图 Sensor wiring diagram



参数表 Parameters Table

量程 Capacity	50kg-5T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0-3.0±10% mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03% F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03% F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03% F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.03% F.S./10°C	电缆线规格 Cable Specifications	φ5x6m
零点温度漂移 Temp Effect on Zero	0.05% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLF-101 轮辐式压力传感器 Spoke pressure sensor



产品综述 Product Reviews

特性:

膜盒结构、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

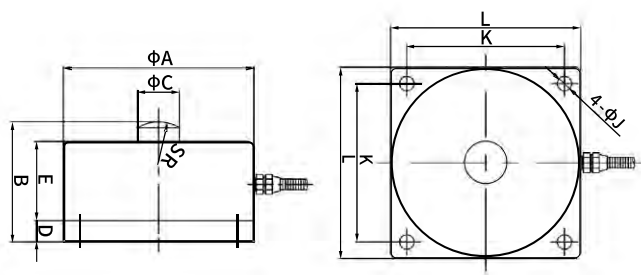
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

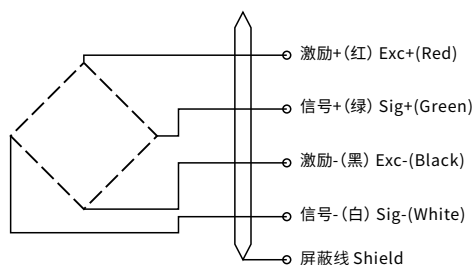
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

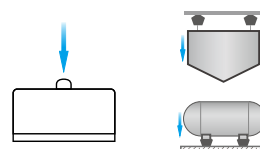
外形尺寸 External Dimension



传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程	ΦA	B	ΦC	D	E	K	L	SR	4-ΦJ
0.2-0.7t	72	41	16	8	25	62	72	13	4.6
1-8t	88	53	20	10	34	75	88	20	5.6
10-15t	114	70	25	13	46	95	114	25	6.5
20-50t	145	91	32	16	60	120	145	30	11

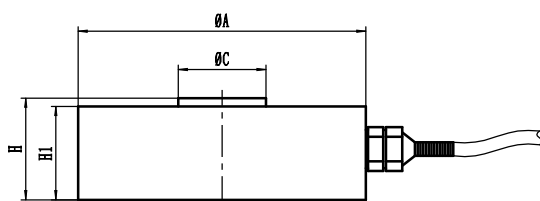
参数表 Parameters Table

量程 Capacity	0-50T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	700/1400Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	Φ5x3m/5m
零点温度漂移 Temp Effect on Zero	0.03%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLF-102 轮辐式压力传感器 Spoke pressure sensor



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定性好、优质合金钢表面镀镍。

应用领域:

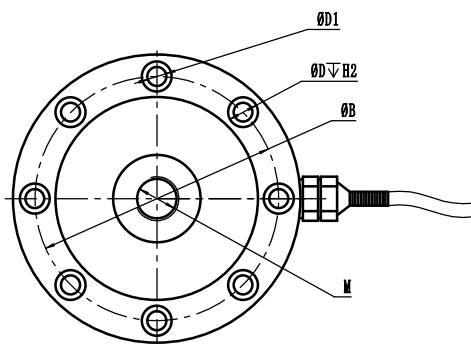
反应釜, 冷热液压油压机, 电子万能试验机, 伺服电缸压装机, 各类衡器等工业, 自动化组装的工业, 测力方向。

Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

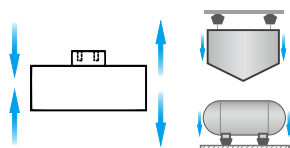
Application fields:

Reaction kettle, hot and cold hydraulic press, electronic universal testing machine, servo electric bar press mounting machine, all kinds of weighing apparatus, automatic assembly industry, force measuring direction and hopper scale.

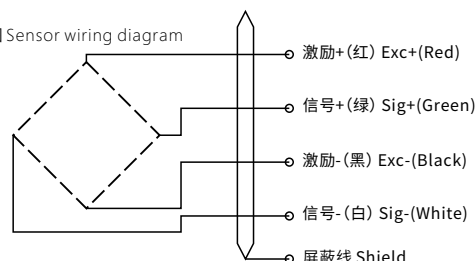


量程	φA	φB	φC	M	H	H1	H2	φD	φD1
0-1000kg	74	63	24	M16X1.5	34	30	7.2	8-φ9	8-φ6
1-8t	105	89	29	M16X1.5	37	34	7.2	8-φ11	8-φ7
10-20t	120.6	101.8	39	M32X1.5	53.5	41	10.5	8-φ14	8-φ9
30t	141	116.8	50.4	M40X1.5	57.2	50.8	11	8-φ18	8-φ11
40-80t	208	174	95	M64X3	70	*	15	16-φ20	16-φ13
100-250t	280	230	136	M76X3	90	*	20	16-φ30	16-φ17
300-450t	360	300	190	M100*3	110	*	20	20-φ40	20-φ25

传感器受力图 Force diagram of sensor



传感器接线示意图 Sensor wiring diagram



参数表 Parameters Table

量程 Capacity	0-500T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	20-1000kg:700/1400Ω 1-30T:700Ω 50-500T:1400Ω
零点输出 Zero Balance	±1% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05% F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03% F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03% F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03% F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.03% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLF-104 轮辐式压力传感器 Spoke pressure sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

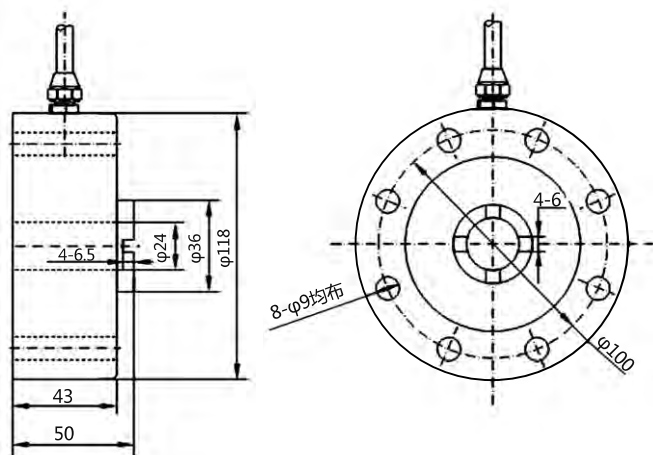
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

Application fields:

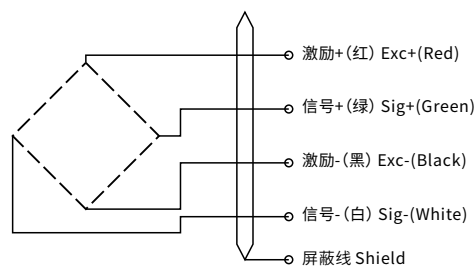
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

外形尺寸 External Dimension

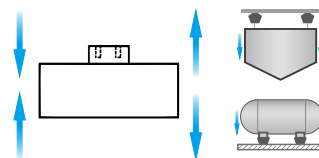


量程 10KN 20KN 30KN 50KN 100KN

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-100KN	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	700/1400 Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYLF-105 轮辐式压力传感器 Spoke pressure sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设备领域和测试领域。

Characteristic:

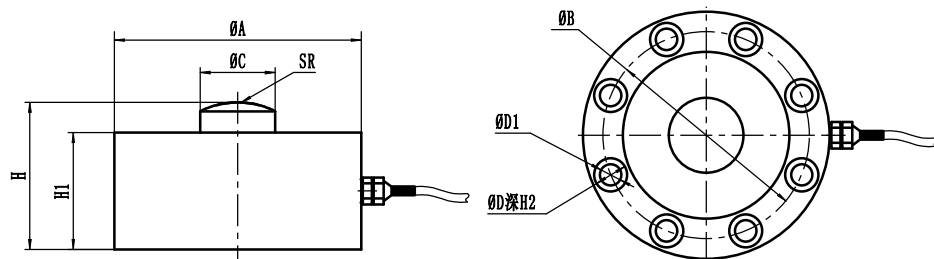
Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

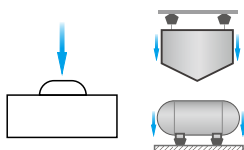


外形尺寸 External Dimension

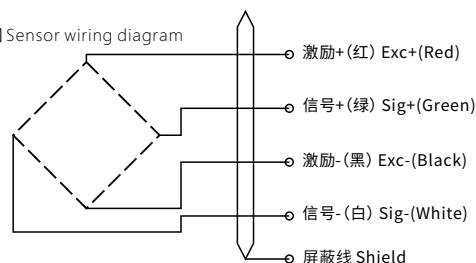


量程	φA	φB	φC	SR	H	H1	H2	φD	φD1
50-70t	148	124	45	50	88	70	15	4-φ20	4-φ13
80t	178	145	55	100	85	65	15	8-φ20	8-φ13
100-150t	208	176	60	100	95	75	20	8-φ20	8-φ13
200-300t	260	200	90	200	100	85	22	8-φ27	8-φ17
400-500t	315	260	145	450	130	115	15	16-φ30	16-φ17

传感器受力图 Force diagram of sensor



传感器接线示意图 Sensor wiring diagram



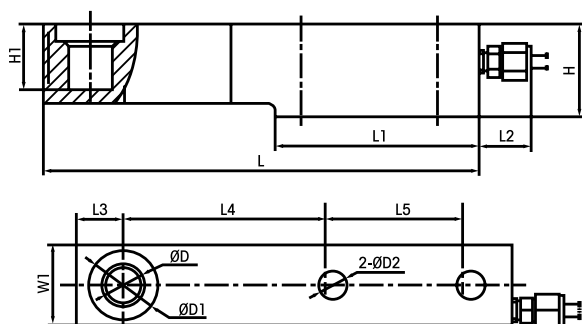
参数表 Parameters Table

量程 Capacity	50-500T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	1400Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYX-302 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



量程(kg)	L	L1	L2	L3	L4	L5	W1	H	H1	ØD	ØD1	ØD2
0.5-2T	203	95	26	22	98	64	36.5	43	30.4	16	32	13
3T	203	95	26	22	98	64	36.5	43	30.4	16	32	15
5T	235	110	26	22	124	66	47.5	52	30	22	38	20

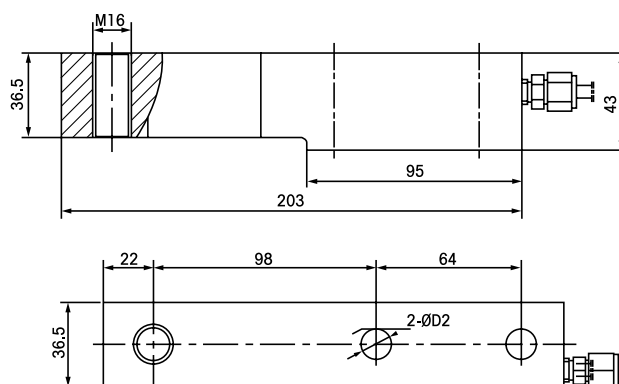
参数表 Parameters Table

量程 Capacity	0-5T
输出灵敏度 Rated Output	2.0±0.02mV/V
零点输出 Zero Balance	±1%F.S.
非线性 Non-Linearity	0.03%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.02%F.S.
蠕变(30分钟) Creep(30min)	0.02%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.03%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	合金钢/不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	300%
电缆线规格 Cable Specifications	φ5x5m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

DYSBS 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



容量	D2
0.3-2T	13
3T	15

参数表 Parameters Table

量程 Capacity	0-3T
输出灵敏度 Rated Output	2.0±0.02mV/V
零点输出 Zero Balance	±1%F.S.
非线性 Non-Linearity	0.03%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.02%F.S.
蠕变(30分钟) Creep(30min)	0.02%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.03%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢/合金钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-15v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

DYX-301 悬臂梁式称重传感器 Cantilever beam load cell



附件 enclosure



组合压头 Combined indenter



支脚 Foot

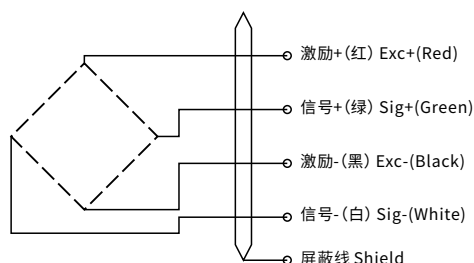


压点 Pressure point

传感器受力图 Force diagram of sensor



传感器接线示意图 Sensor wiring diagram



参数表 Parameters Table

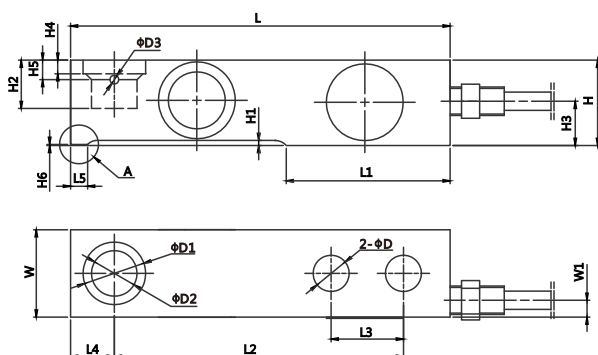
量程 Capacity	0-10T	材质 Material	合金钢/不锈钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYHLJ 悬臂梁式称重传感器

Cantilever beam load cell



外形尺寸 External Dimension

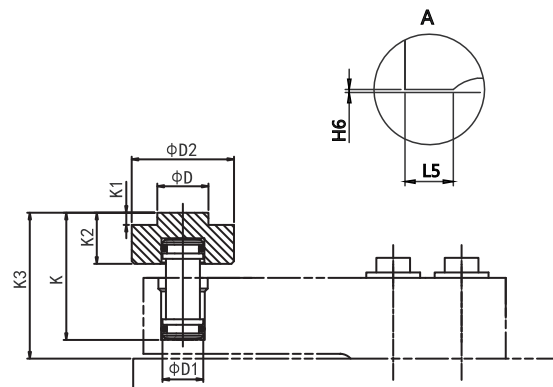


量程(T)	D	D1	D2	D3	H	H1	H2	H3	H4	H5
0.25/0.5/1	12.7	22	15.9	3.1	30	1.9	17	15.9	4.7	7.7
2	12.7	22	15.9	3.1	36.6	2.8	23	19.6	9.5	11.7
3	15	22	15.9	-	36.6	1.2	23	19.6	9.5	11.7
5	19	34.9	22.2	3.1	43	2	29.4	22.5	11	11.7

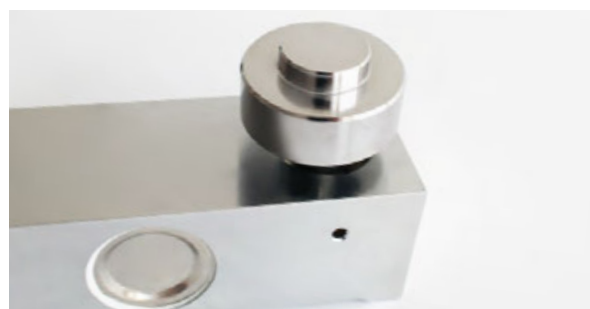
量程(T)	H6	L	L1	L2	L3	L4	L5	W	W1
0.25/0.5/1	0.38	133.4	57.6	101.6	25.4	15.4	6.4	30.7	5.2
2	0.82	136.7	57.9	101.6	25.4	18.4	6.4	36.8	6
3	-	139.7	57.9	104.6	25.4	18.4	-	39	6
5	-	171.5	73.8	133.3	38.1	21.5	-	42.9	6

参数表 Parameters Table

量程 Capacity	0-5T
输出灵敏度 Rated Output	2.0±0.05mV/V
零点输出 Zero Balance	±1%F.S.
非线性 Non-Linearity	0.03%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.02%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	合金钢/不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-15v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选



量程(T)	K	K1	K2	K3	D	D1	D2
0.25-3	47.8	4.2	19.0	61	19.0	15.2	38.0
5	114.4	6.0	20.5	128.0	34.7	21.5	44.5



传感器受力图 Force diagram of sensor



应用领域 Application



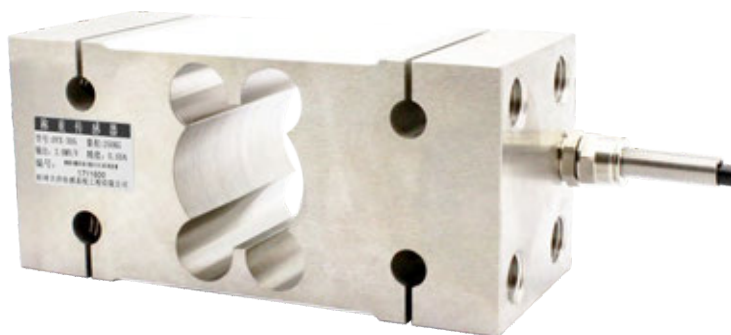
- 反应釜配料罐
- 输送带称重装置

- Reactor
- Belt weighing



- 配料仓
- Batching bin

DYX-305 悬臂梁式称重传感器 Cantilever beam load cell



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域

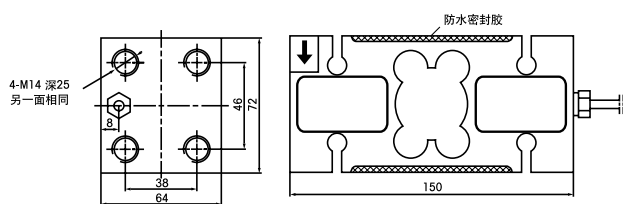
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

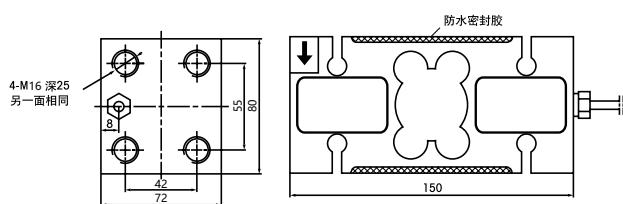
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

外形尺寸 External Dimension

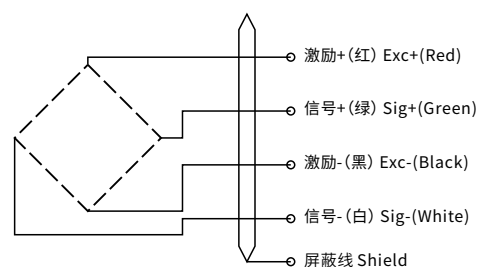


量程(kg) 150 250 500 1000

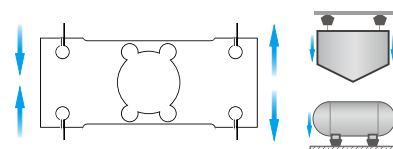


量程(kg) 2000

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-2000kg	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.02mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYX-307 悬臂梁式称重传感器 Cantilever beam load cell



产品综述 Product Reviews

特性:

结构紧凑，综合精度高，长期稳定性好，优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域

Characteristic:

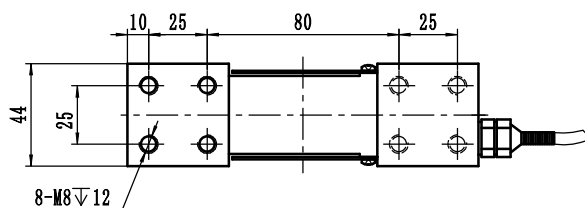
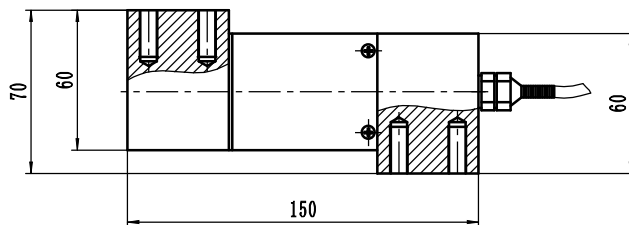
Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

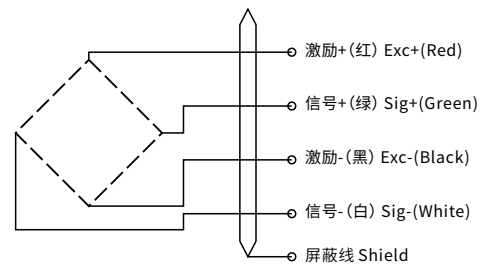


外形尺寸 External Dimension

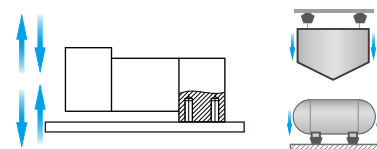


量程(kg) 50 100 200 500 1000

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



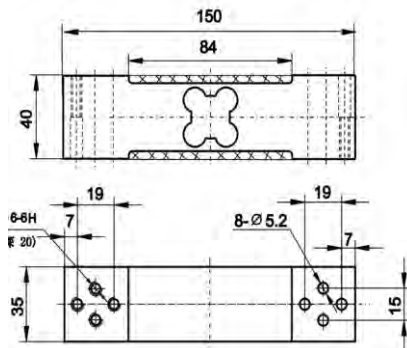
参数表 Parameters Table

量程 Capacity	50-1000kg	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

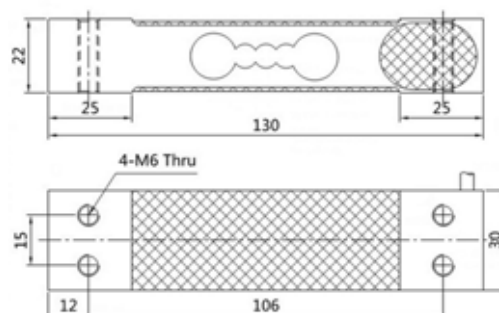
DYX-306 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



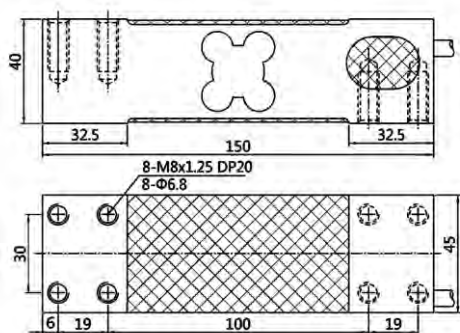
量程(kg) 60 100 200 350



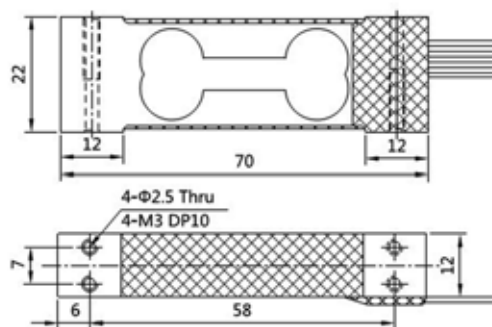
量程(kg) 3 6 10 20 40



外形尺寸 External Dimension

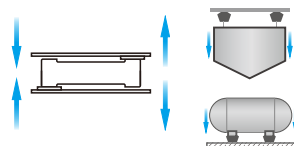


量程(kg) 60 100 200 350 500



量程(kg) 0.3 0.6 1 2

传感器受力图 Force diagram of sensor



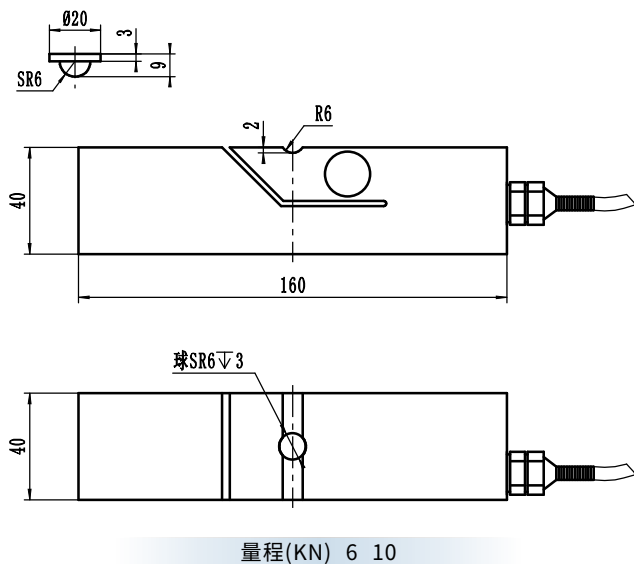
参数表 Parameters Table

量程 Capacity	0-500kg	材质 Material	铝合金
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.02%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.02%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.03%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYX-309 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

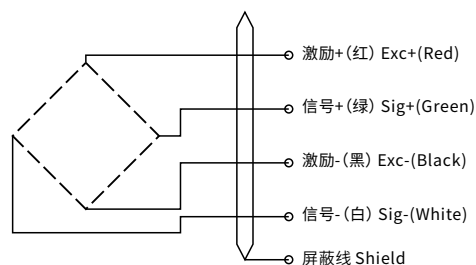
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

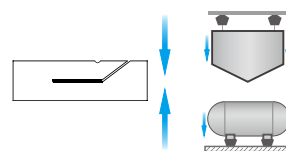
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



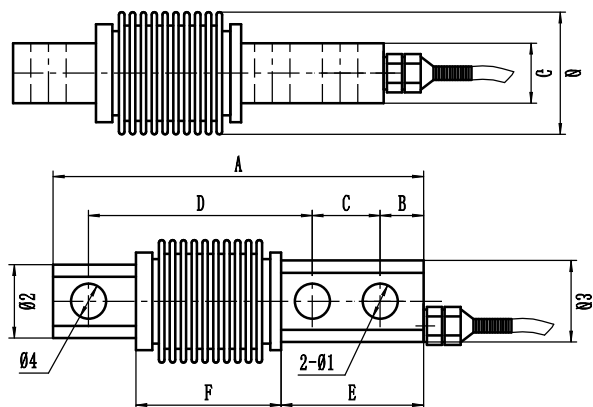
参数表 Parameters Table

量程 Capacity	0-10KN	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYBW-106 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



量程/尺寸	A	B	C	D	E	F	G	H	φ	φ1	φ2	φ3	φ4
10~300kg	123	13	18	82	43	54	20	20	45	8.2	27	32	8.2
500~1000kg	210	15	40	133	93	64	34	25	60	13	35	50	14

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

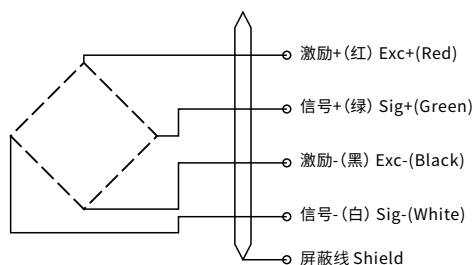
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

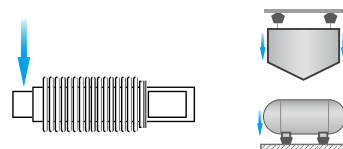
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

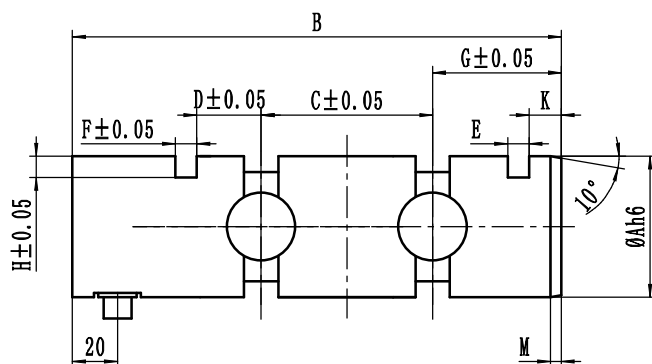


参数表 Parameters Table

量程 Capacity	0-1000kg	材质 Material	合金钢/不锈钢
输出灵敏度 Rated Output	2.0/3.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZX-001 悬臂梁式称重传感器
Cantilever beam load cell

外形尺寸 External Dimension



量程(t)	A	B	C	D	E	F	G	H	K	M
2,3,5	50	180	66	27	4.5	6.5	32	7	9	3
7,10	60	190	96	14	10	9	33	9	9	5
10,15	65	210	116	14	10	9	32	9	8	5
20,30	80	225	109	20	12	11	40	10	8	6
40,50,100	120	275	153	25	14	13	51	15	12	6

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

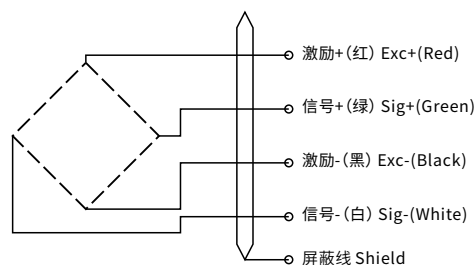
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

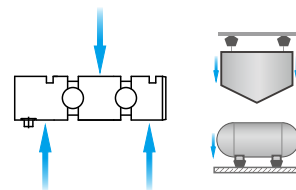
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



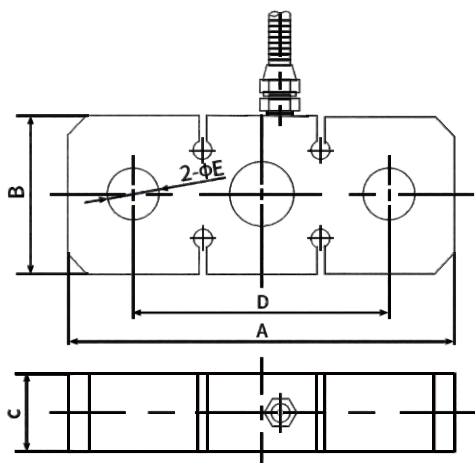
参数表 Parameters Table

量程 Capacity	0-100T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0±0.05mV/V	阻抗 Impedance	700±5Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.5%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYBH-101 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



量程	A	B	C	D	2-φE
1~3t	196	80	30	130	25
5~8t	196	80	40	130	25
10~15t	260	100	45	170	40
20~30t	260	100	50	170	40
50t	360	120	65	230	60
100t	570	230	85	360	96

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等压力测试仪器以及自动化设备领域和测试领域。

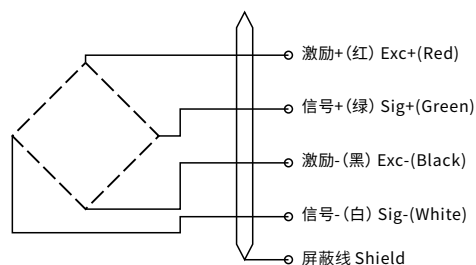
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

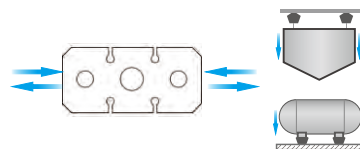
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

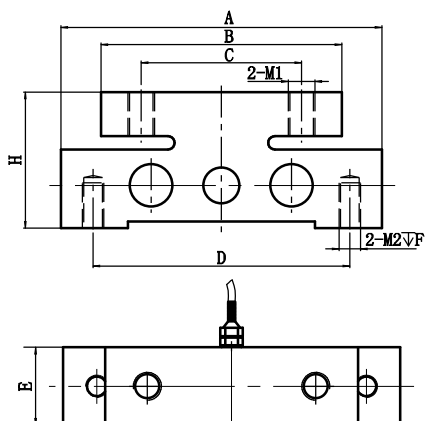


参数表 Parameters Table

量程 Capacity	100T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.3%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYQ-101 悬臂梁式称重传感器
Cantilever beam load cell

外形尺寸 External Dimension



量程	A	B	C	D	E	H	M1	M2	F
1-5t	220	140	110	186	45	85	M16	M12	20
10-20t	240	180	120	192	50	93	M20	M16	30
30t	240	180	120	192	56	102	M20	M16	30

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

车载专用秤, 车轮, 车轴力测量以及天车起重设备称重专用传感器。

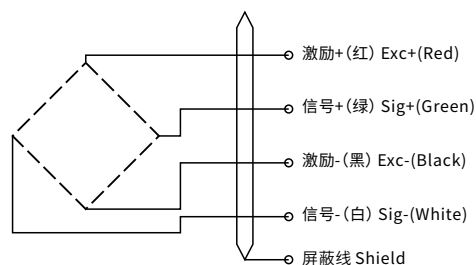
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

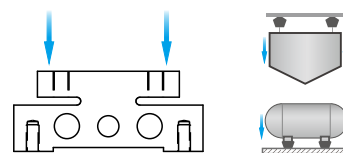
Application fields:

Special truck scale, wheel, axle force measurement and crane crane weighing special sensor.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



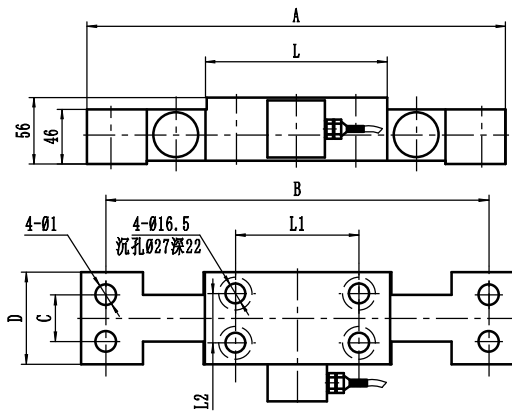
参数表 Parameters Table

量程 Capacity	1-30T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0±0.05mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.2%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.2%F.S.	工作温度范围 Operating Temp Range	-20-60℃
重复性 Repeatability	0.1F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ5x5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZC-055 悬臂梁式称重传感器 Cantilever beam load cell



外形尺寸 External Dimension



量程	A	B	C	φ1	D	L	L1	L2
1.5t	350	310	38	17	75	152	100	40
2.5t	410	355	50	21	100	182	130	60
4t	410	355	50	21	100	212	160	60
10-20t	410	355	50	21	100	212	160	60

产品综述 Product Reviews

特性:

结构紧凑，综合精度高，长期稳定性好，优质合金钢表面镀镍。

应用领域:

行车起重机，水利设备以及各种轮轴径向力测试和张力测试设备。

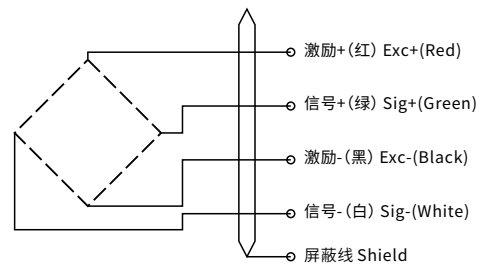
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

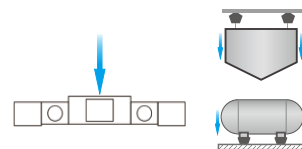
Application fields:

Crane, water conservancy equipment and all kinds of axle radial force test and tension test equipment.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-20T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0±0.05mV/V	阻抗 Impedance	350/750±5Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.5%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZHL 张力传感器
Tension sensor

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质不锈钢材质

应用领域:

适用于光纤、纱线、电缆、胶带等各类线材生产设备或使用设备上张力动态测量。

Characteristic:

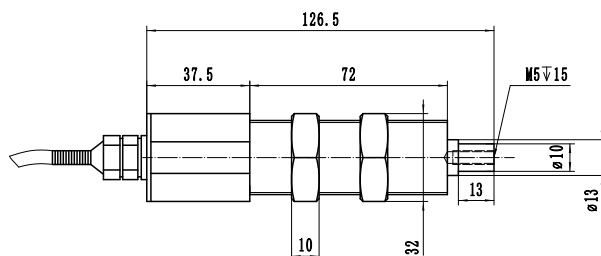
Compact structure, high comprehensive precision, good long-term stability, high quality stainless steel material.

Application fields:

It is suitable for dynamic tension measurement on various wire rod production equipment or using equipment such as optical fiber, yarn, cable and tape.

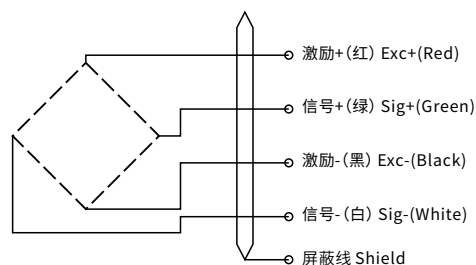


外形尺寸 External Dimension

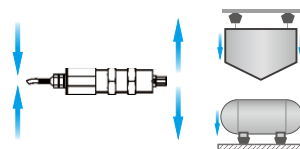


量程(N) 10 20 50 100 200 500 1000

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



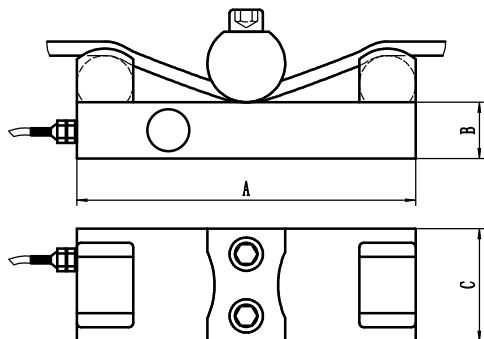
参数表 Parameters Table

量程 Capacity	0-1000N	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.2%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.2%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.2%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.3%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZL-101 张力传感器 Tension sensor



外形尺寸 External Dimension



钢丝绳张力	量程	钢丝绳直径	A	B	C
10kN	1t	φ6-14	180	35	60
20kN	2t	φ10-18	180	35	60
40-60k N	4t- 6t	φ16-22	180	37	60
100-140kN	10t-14t	φ16-22	180	37	60
200kN	20t	φ22-32	240	40	80

产品综述 Product Reviews

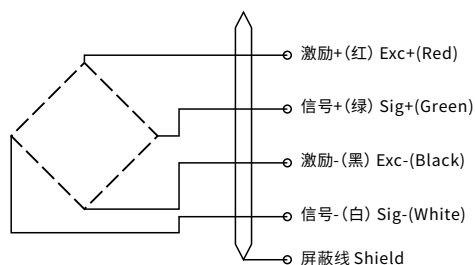
特性:
结构紧凑，综合精度高，长期稳定性好，优质合金钢表面镀镍。

应用领域:
适用于起重，水利，采矿行业以及各类拉力测试行业，使用各类钢丝绳张力测量或者长期监控使用。

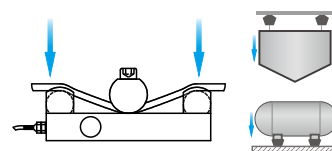
Characteristic:
Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

Application fields:
It is suitable for lifting, water conservancy, mining industry and all kinds of tension testing industries. It can be used for tension measurement or long-term monitoring of wire rope.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	1-200KN	材质 Material	合金钢
输出灵敏度 Rated Output	1.5±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	10-15v
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.3F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.3%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZL-104 张力传感器 Tension sensor



产品综述 Product Reviews

特性:

结构紧凑，综合精度高，长期稳定性好，优质合金钢表面镀镍。

应用领域:

适用于起重，水利，采矿行业以及各类拉力测试行业，使用各类钢丝绳张力测量或者长期监控使用。

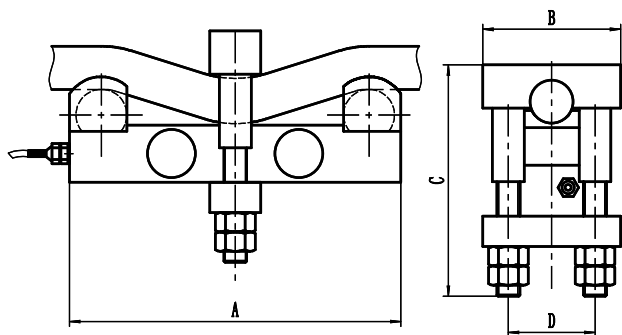
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

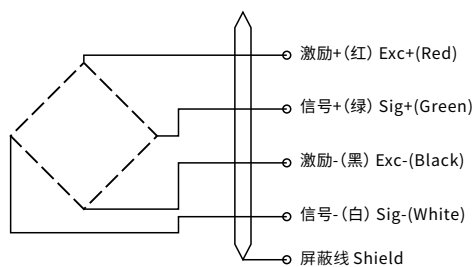
Application fields:

It is suitable for lifting, water conservancy, mining industry and all kinds of tension testing industries. It can be used for tension measurement or long-term monitoring of wire rope.

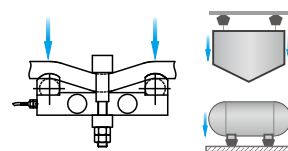
外形尺寸 External Dimension



传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



钢丝绳张力	量程	钢丝绳直径	A	B	C	D
10kN	1t	φ6-14	160	76	117	45
20kN	1t	φ10-18	160	76	117	45
50k N	5- 10t	φ16-26	160	76	117	45
100-200kN	10t-14t	φ24-36	260	108	170	68

参数表 Parameters Table

量程 Capacity	0-200KN	材质 Material	合金钢
输出灵敏度 Rated Output	1.5±0.05mV/V	阻抗 Impedance	350/700Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	10-15v
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.3%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.3%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZL-105 张力传感器 Tension sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

5倍过载能力, 零点稳定, 不锈钢材质, 耐腐蚀、高可靠性, 结构紧凑, 安装方便耐油耐污, 良好的稳定可靠性, 精度高, 适用于测量要求较高的场合。

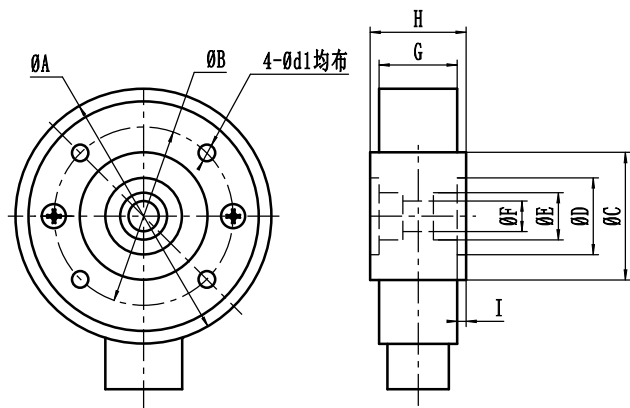
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

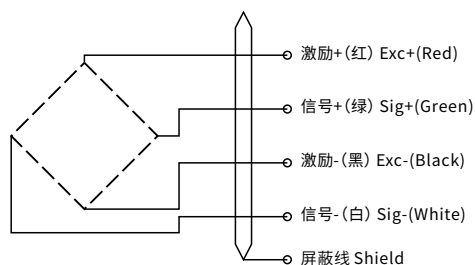
Application fields:

5 times overload capacity, zero point stability, stainless steel material, corrosion resistance, high reliability, compact structure, convenient installation, oil and dirt resistance, good stability and reliability, high precision, suitable for the occasions with high measurement requirements.

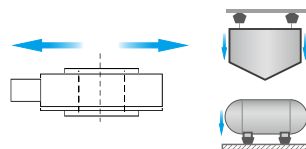
外形尺寸 External Dimension



传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



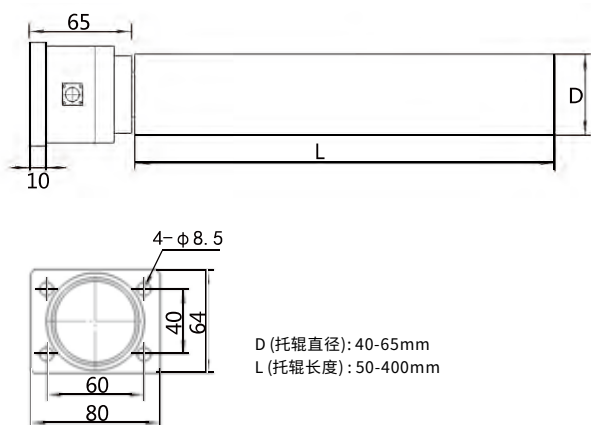
量程(N)	A	B	C	D	E	F	G	H	I	d1
50-150	93	64	45	26	16	9	30.5	37.5	3.5	5.5
50-500	100	70	50	30	18.5	12	30.5	37.5	3.5	6.6
150-1000	105	75	60	40	20	17	30.5	37.5	3.5	6.6
150-1500	125	95	70	45.5	33	20/25	40	48	4	7
375-3000	175	135	100	70	44/48	35/40	57	65	4	9
750-12000	225	175	130	80	64/70	50/60	66	76	4	11

参数表 Parameters Table

量程 Capacity	50-12000N	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.3%F.S.	工作温度范围 Operating Temp Range	-20-60°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.002%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.002%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZL-106 张力传感器
Tension sensor

外形尺寸 External Dimension



量程(N) 20 50 75 100 200 300

产品综述 Product Reviews

特性:

结构紧凑、综合精度高、长期稳定性好。

应用领域:

高硬度铝合金壳体, 稳定输出, 高灵敏应变测量元器件, 适用精密级测量应用场合, 良好的稳定可靠性, 精度高, 氧化外壳, 工艺严苛。

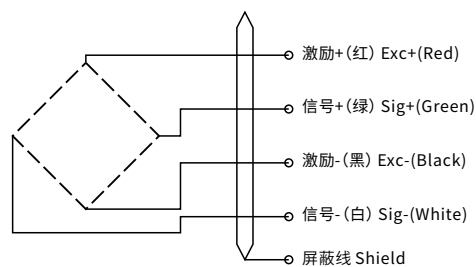
Characteristic:

It has the advantages of compact structure, high comprehensive precision and good long-term stability.

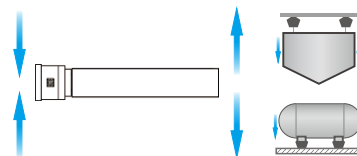
Application fields:

High hardness aluminum alloy shell, stable output, high sensitive strain measurement components, suitable for precision measurement applications, good stability and reliability, high precision, oxidation shell, strict process.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	20-300N	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±0.1% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	$\phi 5 \times 3m$
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZL-107 张力传感器 Tension sensor



产品综述 Product Reviews

特性:

适用于各种光纤、纱线、化纤、金属丝、电线、电缆、胶带、钢带的张力测量。

应用领域:

广泛应用于电子、化工、纺织、造纸、机械等领域，具有张力测量领域较高的测量精度、可靠性及稳定性。

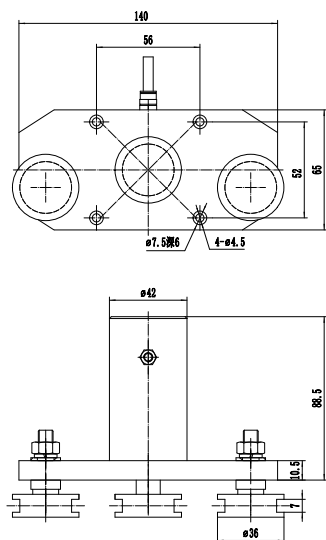
Characteristic:

It is suitable for tension measurement of various optical fiber, yarn, chemical fiber, metal wire, wire, cable, tape and steel belt.

Application fields:

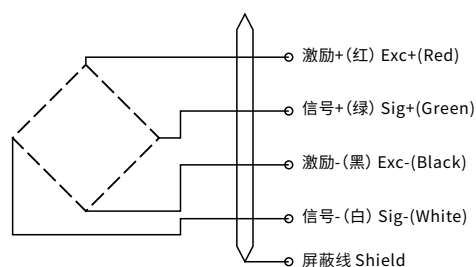
It is widely used in electronics, chemical industry, textile, papermaking, machinery and other fields. It has high measurement accuracy, reliability and stability in the field of tension measurement.

外形尺寸 External Dimension

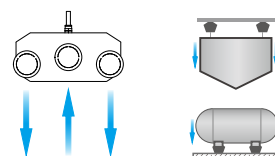


量程(kg) 2 5 10 20 30 50 100

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



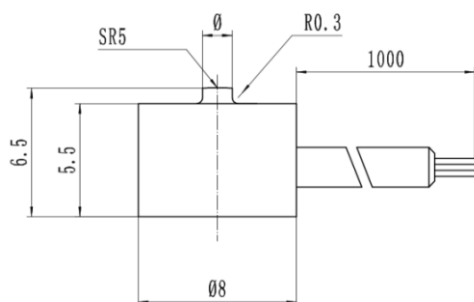
参数表 Parameters Table

量程 Capacity	0-100kg	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYHW-108 微型传感器 Microsensor



外形尺寸 External Dimension



量程(kg)	Φ
3-50	1.5
100-200	3.5

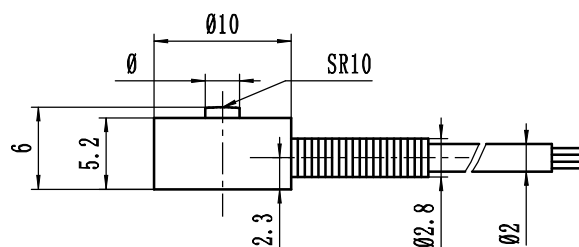
参数表 Parameters Table

量程 Capacity	1-100kg
输出灵敏度 Rated Output	3-5kg:0.5-1.0mV/V 10-100kg:1.0-1.5mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.3%F.S.
重复性 Repeatability	0.3%F.S.
蠕变(30分钟) Creep(30min)	0.2%F.S.
温度灵敏度漂移 Temp Effect on Output	0.5%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.5%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	350Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	120%
极限过载 Maximum Overload	150%
电缆线规格 Cable Specifications	φ2x1m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

DYHW-110 微型传感器 Microsensor



外形尺寸 External Dimension



量程(kg)	5-10	20-30	50-100
Φ	1.5	2	2.5

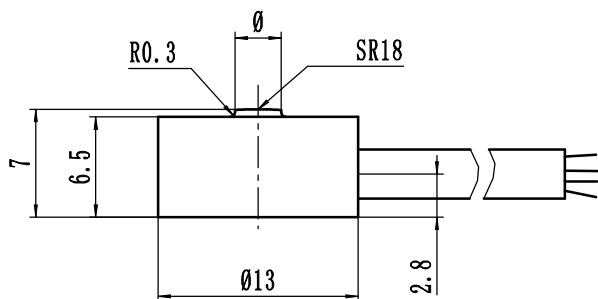
参数表 Parameters Table

量程 Capacity	1-100kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.3%F.S.
蠕变(30分钟) Creep(30min)	0.1%F.S.
温度灵敏度漂移 Temp Effect on Output	0.5%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.5%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	350/500Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	120%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ2x1m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

DYHW-113 微型传感器 Microsensor



外形尺寸 External Dimension



量程	φ
5-20kg	φ-2
30-200kg	φ-3

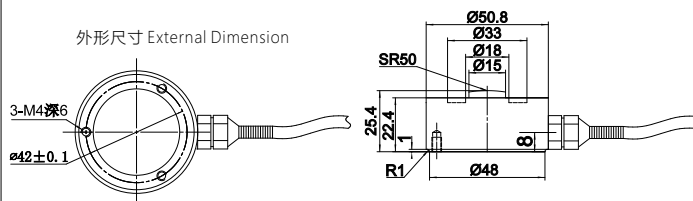
参数表 Parameters Table

量程 Capacity	1-100kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.3%F.S.
蠕变(30分钟) Creep(30min)	0.1%F.S.
温度灵敏度漂移 Temp Effect on Output	0.5%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.5%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	500/1000Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ2x1m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

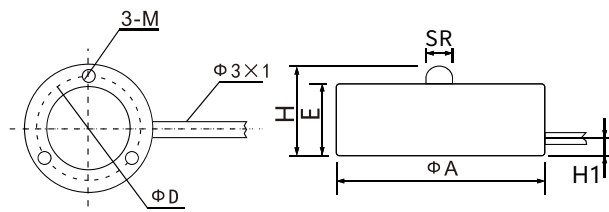
DYHW-116 微型传感器 Microsensor



外形尺寸 External Dimension



量程 0-10T



量程	φA	φC	φD	H	E	M	H1	SR
3-200kg	20	2.5	15.5	12	10	M3	4	2
300-500kg	26	5	18.5	15	11.5	M4	5	6
1-2T	26	5	18.5	15	12.5	M4	5.5	20
3-5T	37.7	10.8	31	15.5	14	M2.5	4	50

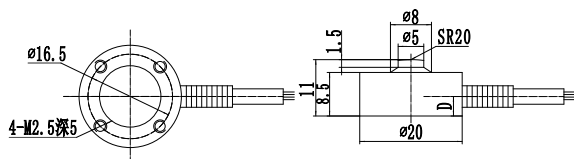
参数表 Parameters Table

量程 Capacity	0-10T
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±1%F.S.
非线性 Non-Linearity	0.3%F.S.
滞后 Hysteresis	0.3%F.S.
重复性 Repeatability	0.3%F.S.
蠕变(30分钟) Creep(30min)	0.1%F.S.
温度灵敏度漂移 Temp Effect on Output	0.3%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.3%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	700/1000Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ3x2m φ5x2m (10t)
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选

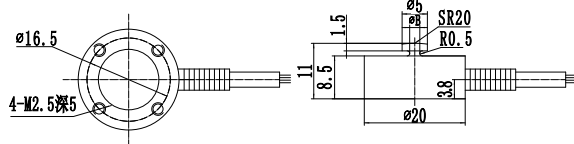
DYHW-120 微型传感器
Microsensor



外形尺寸 External Dimension



量程 (kg)	500-1000	1500-2000
D	3.8	3



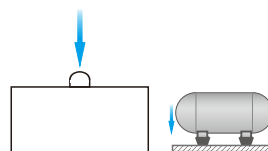
量程 (kg)	5	10-50	100-200
B	2	2.5	3

参数表 Parameters Table

量程 Capacity	0-1000kg
输出灵敏度 Rated Output	1.0-2.0mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.3%F.S.
滞后 Hysteresis	0.3%F.S.
重复性 Repeatability	0.1%F.S.
蠕变(30分钟) Creep(30min)	0.05%F.S.
温度灵敏度漂移 Temp Effect on Output	0.3%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.3%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	不锈钢
阻抗 Impedance	1000Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-80°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆规格 Cable Specifications	φ3x2m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选



传感器受力图 Force diagram of sensor



应用领域 Application



- 3C数码检测
- 助力装置
- 3C digital detection
- Booster device

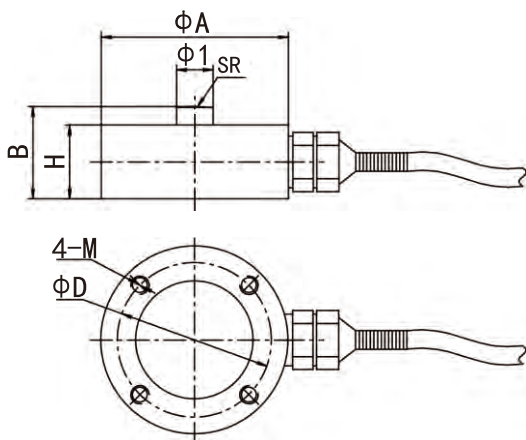


- 机械臂机械手
- Manipulator

DYMH-101 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



量程	φA	B	H	φ1	φD	4-M	SR
50kg-5t	51	25	20	10	42	M5	SR50
6-15t	88	47	42	18	72	M6	SR150

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

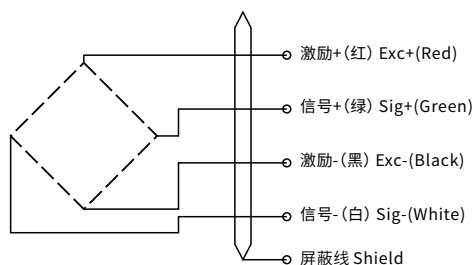
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

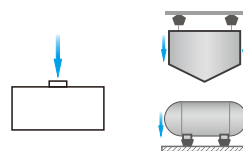
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

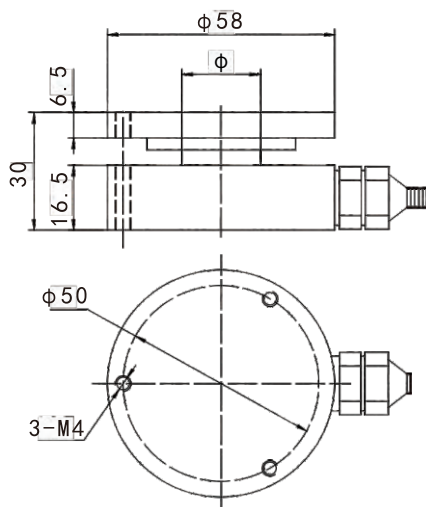


参数表 Parameters Table

量程 Capacity	50-15000kg	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0±0.01mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-102 膜盒传感器
Capsule sensor

外形尺寸 External Dimension



量程	Φ
50kg 100kg 200kg 300kg 500kg	10
1T 2T 3T 5T 10T	20

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设备领域和测试领域。

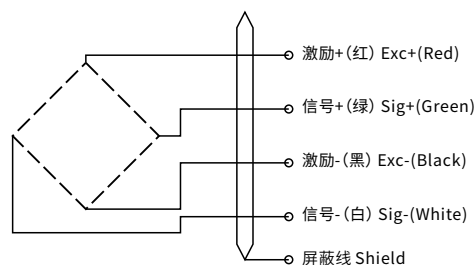
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

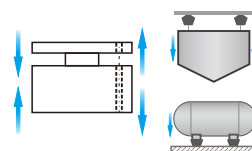
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



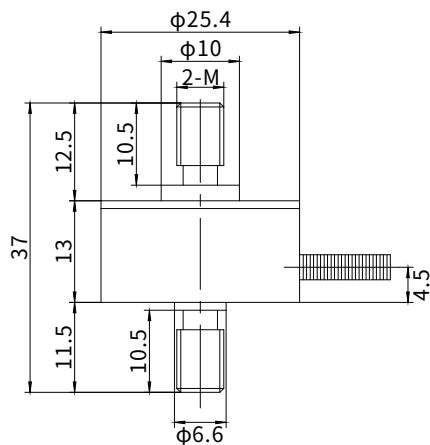
参数表 Parameters Table

量程 Capacity	50kg-10T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0±0.05mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-103 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



量程 (kg)	M
1-50	M5
60-100	M6
200-500	M8

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

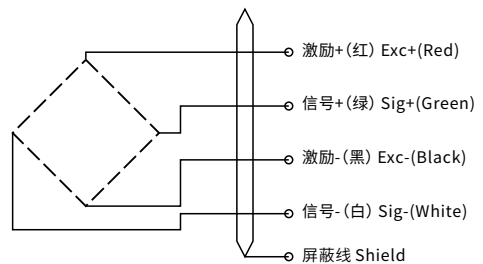
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

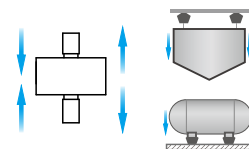
Application fields:

Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing pelds.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

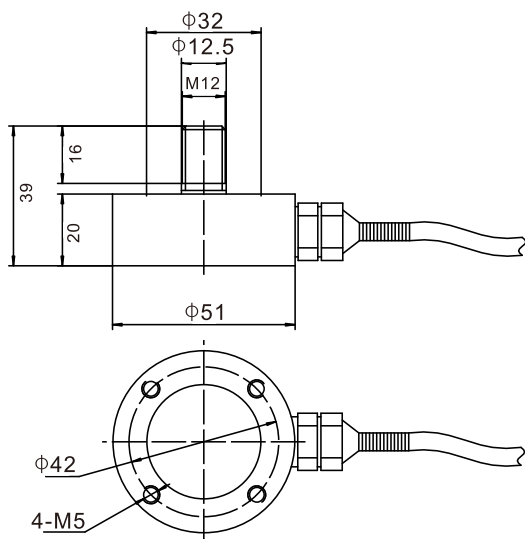


参数表 Parameters Table

量程 Capacity	0-500kg	材质 Material	不锈钢
输出灵敏度 Rated Output	1.0-1.5±10% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	0-10v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.2%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	$\phi 3 \times 2\text{m}$
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-104 膜盒传感器
Capsule sensor

外形尺寸 External Dimension



量程(kg)	20	50	100	200	300	500
	1000	2000	3000	5000		

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

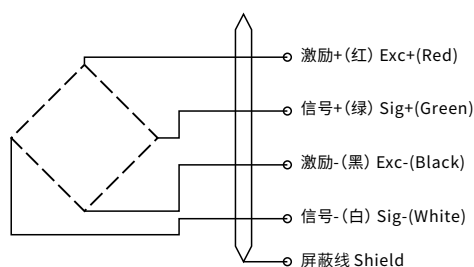
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

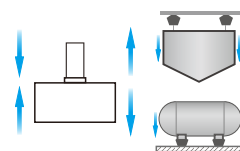
Application fields:

Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



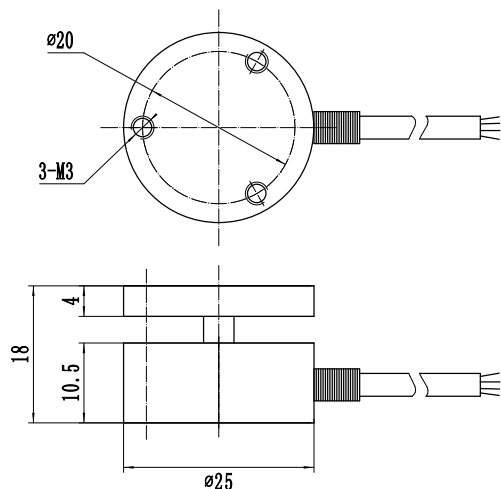
参数表 Parameters Table

量程 Capacity	0-5T	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	700 Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-65°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-105 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



量程(kg) 20 30 50 100 200 300 500 1000 2000

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

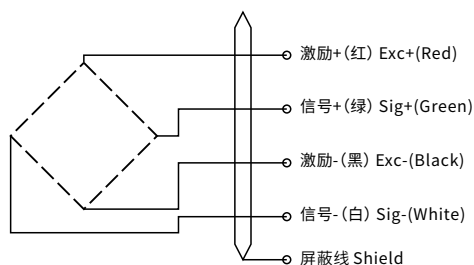
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

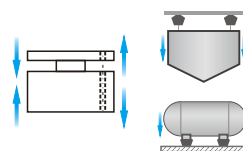
Application fields:

Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing belds.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-2T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	0.3%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.3%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10℃	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-106 膜盒传感器 Capsule sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

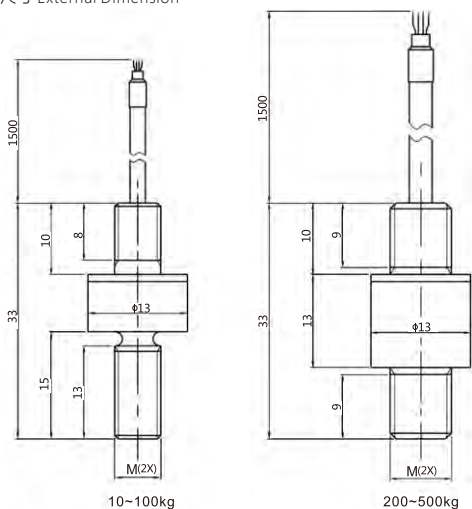
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

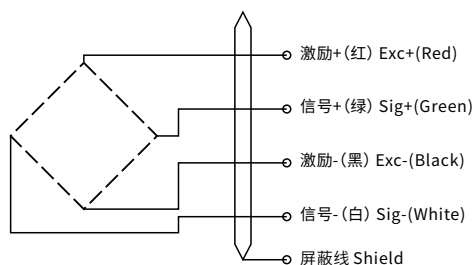
Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

外形尺寸 External Dimension

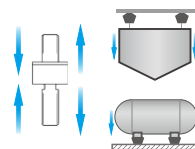


量程(kg)	M	电缆线	重量
10, 15, 20, 30, 50, 100	M6	φ2	0.1kg
200, 300, 400, 500	M8	φ2	0.1kg

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



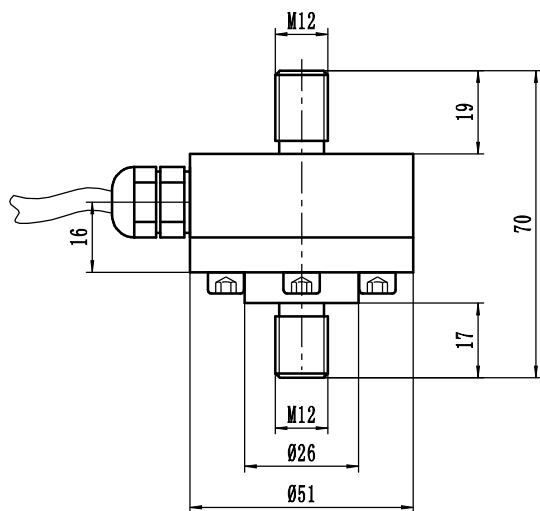
参数表 Parameters Table

量程 Capacity	0-500kg	材质 Material	不锈钢
输出灵敏度 Rated Output	1.0±20% mV/V	阻抗 Impedance	350/500/1000 Ω
零点输出 Zero Balance	±5%F.S.	绝缘电阻 Insulation	≥5000 $\text{M}\Omega/100\text{VDC}$
非线性 Non-Linearity	1%F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.2%F.S./10°C	电缆线规格 Cable Specifications	φ2x2m
零点温度漂移 Temp Effect on Zero	0.2%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-107 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



量程(KN) 0.5 1 2 3 5 10 20

产品综述 Product Reviews

特性:

结构紧凑，综合精度高，长期稳定性好，动态响应频率高，优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域，模具组装及其他工业测试、自动化设备领域和测试领域。

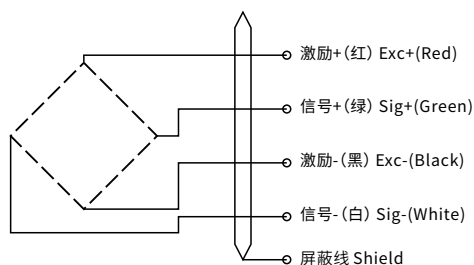
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

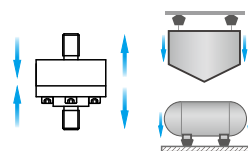
Application fields:

Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing Pelds.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



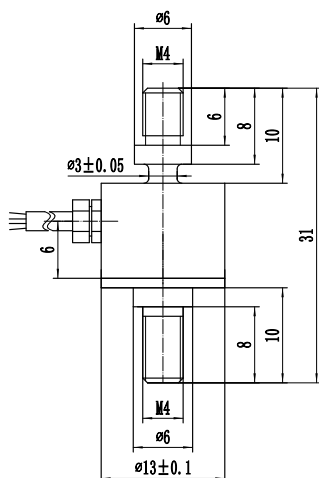
参数表 Parameters Table

量程 Capacity	0-20KN	材质 Material	不锈钢
输出灵敏度 Rated Output	1.5-2.0mV/V	阻抗 Impedance	350/700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-65℃
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMH-113 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



量程(kg) 10 15 20 30 50

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

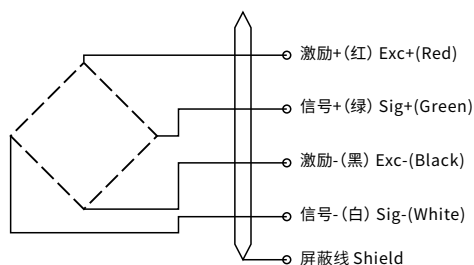
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

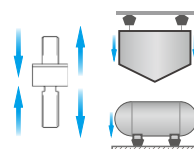
Application fields:

Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



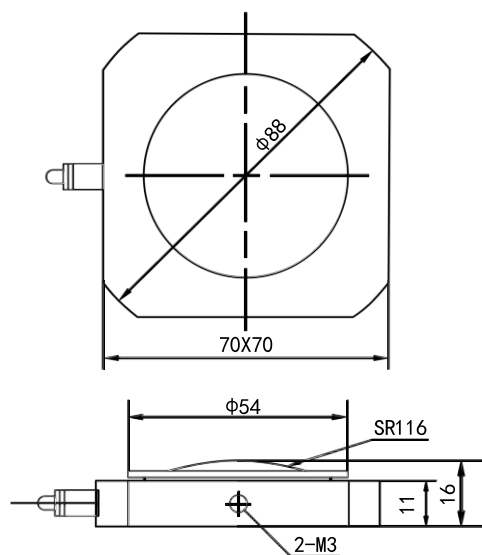
参数表 Parameters Table

量程 Capacity	0-50kg	材质 Material	不锈钢
输出灵敏度 Rated Output	1.0±10% mV/V	阻抗 Impedance	500 Ω
零点输出 Zero Balance	±0.05%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-70°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.2%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.2%F.S./10°C	电缆线规格 Cable Specifications	ϕ 2x2m
零点温度漂移 Temp Effect on Zero	0.2%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYTB-001 膜盒传感器 Capsule sensor



外形尺寸 External Dimension



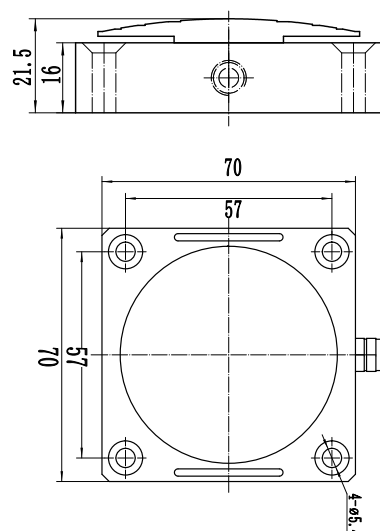
量程 (kg) 50 100 200



DYTB-002 膜盒传感器 Capsule sensor



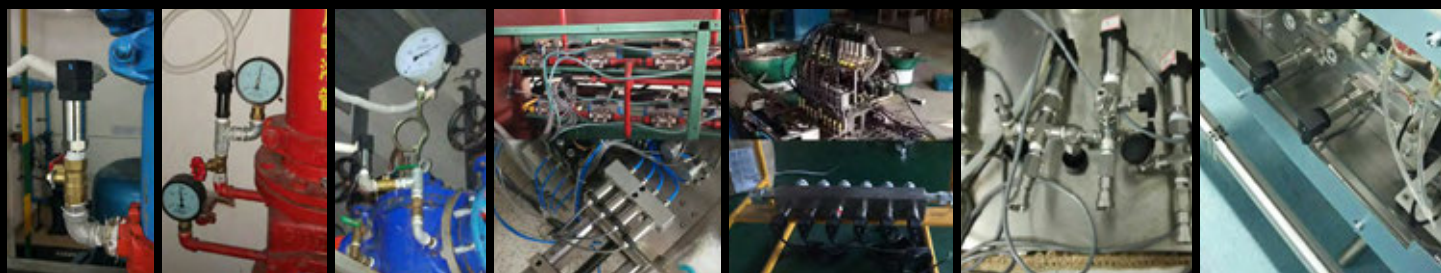
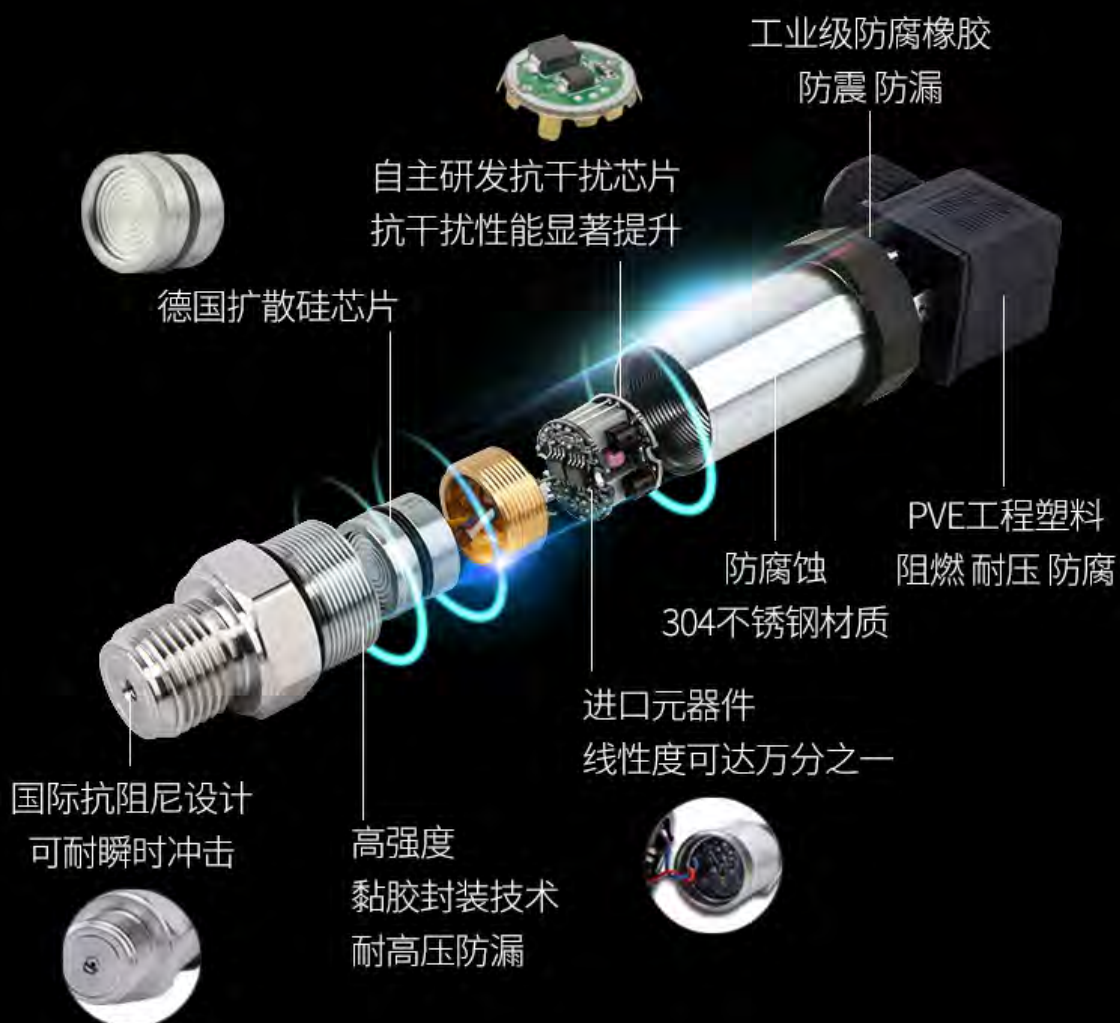
外形尺寸 External Dimension



量程 (kg) 50 100 200

参数表 Parameters Table

量程 Capacity	1-200kg
输出灵敏度 Rated Output	1.0-1.5mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.3%F.S.
滞后 Hysteresis	0.3%F.S.
重复性 Repeatability	0.1%F.S.
蠕变(30分钟) Creep(30min)	0.05%F.S.
温度灵敏度漂移 Temp Effect on Output	0.3%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.3%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	合金钢/不锈钢/铝合金
阻抗 Impedance	700Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-10v
工作温度范围 Operating Temp Range	-20-70°C
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ3x2m
线缆极限拉力 Cable ultimate pull	10kg
TEDS	可选



DYPT-603 扩散硅压力变送器

Diffused silicon pressure transmitter



3mm引压孔 3mm pressure hole



3mm直径引压孔可有效减小
瞬时压力对内部膜片的冲击，
可靠有可保障灵敏度

从德国采购扩散硅芯片，耐受
2000Hz现场震动干扰，能承受
瞬时2倍过量程压力冲击



意大利Omal接头，将防水、防
尘性能大幅提升，符合现场IP
65防水等级应用要求

产品综述 Product Reviews

特性:

采用了高性能的硅压阻式压力充油芯体，具有体积小、重量轻、全不锈钢密封结构，可在腐蚀性环境中工作。

应用领域:

专用集成电路将传感器毫伏信号转换成标准电压、电流或频率信号，可以直接与计算机接口卡、控制仪表、智能仪表或 PLC 等方便相连。广泛应用于过程控制、航空、航天、汽车、医疗设备、HVAC 等领域。

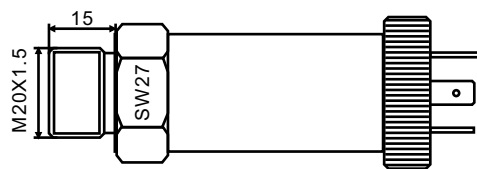
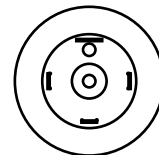
Characteristic:

High performance silicon piezoresistive pressure oil filled core is adopted, which has small volume, light weight and all stainless steel sealing structure, which can work in corrosive environment.

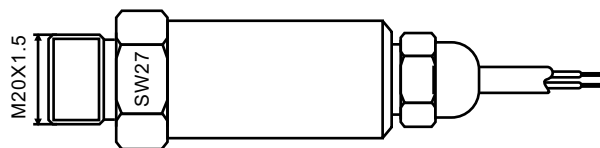
Application fields:

ASIC converts the sensor millivolt signal into standard voltage, current or frequency signal, which can be directly connected with computer interface card, control instrument, intelligent instrument or PLC. It is widely used in process control, aviation, aerospace, automobile, medical equipment, HVAC and other fields.

赫斯曼接头外形 Hesman joint shape



直接引线 Direct lead



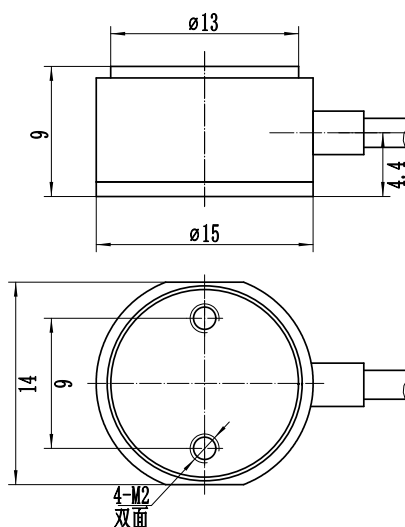
参数表 Parameters Table

供电电源Power supply	24VDC	综合精度Comprehensive accuracy	0.5级(默认)、0.3
输出信号output signal	4~20mA、1~5V	零点温度漂移Zero temperature drift	±0.15%FS/°C
	0~10V、RS485	灵敏度温度漂移Sensitivity temperature drift	±0.15%FS/°C
量程范围Measuring range	-0.1...0...60Mpa	过载压力Overload pressure	150%FS
补偿温度Compensation temperature	-10~70°C	长期稳定性Long term stability	±0.2%FS/年
介质温度Medium temperature	-20~85°C	响应时间response time	100MS(上升到90%FS)
工作温度working temperature	-20~85°C		
外壳防护Enclosure protection	IP65		
测量介质Measuring medium	气体 液体 水		
压力类型Pressure type	表压 绝压 密封压		

DYZ-100 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(N) 10 15 20 30 50 100

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

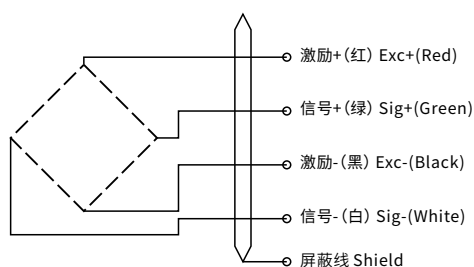
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

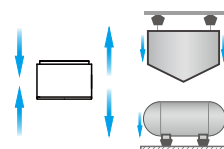
Application fields:

Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing pelds.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



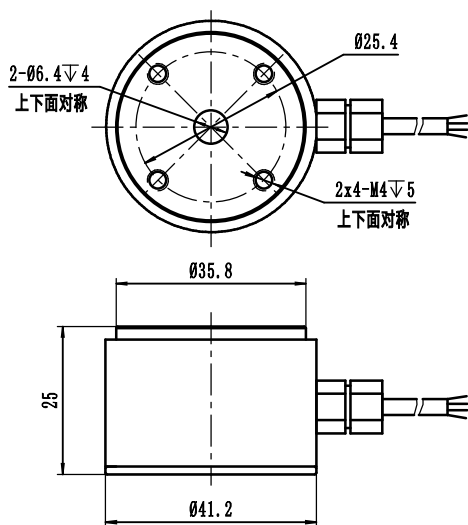
参数表 Parameters Table

量程 Capacity	0-100N	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±0.05% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-101 柱式传感器 Column sensor



外形尺寸 External Dimension



量程 (kg)	1	5	10	20	30	50	100
	200	300	500	1000	2000		

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

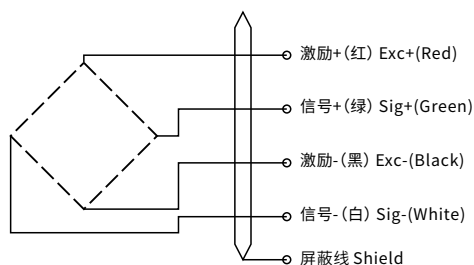
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

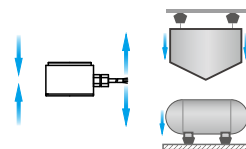
Application fields:

Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

传感器接线示意图 Sensor wiring diagram



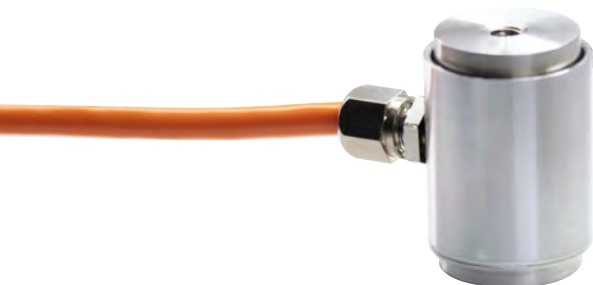
传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-2000kg	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-102 柱式传感器 Column sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

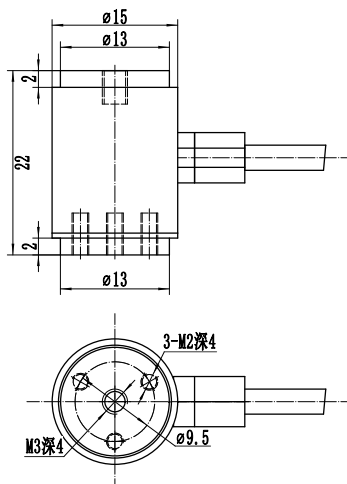
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

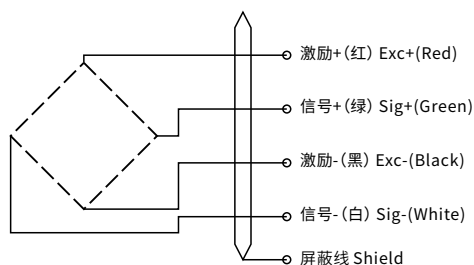
Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

外形尺寸 External Dimension

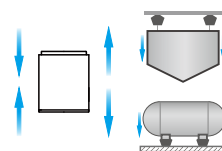


量程(kg) 10 15 20 30 50

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



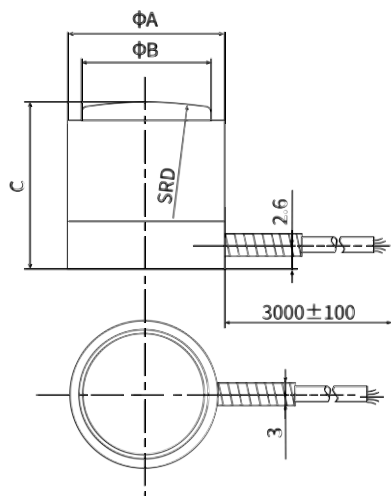
参数表 Parameters Table

量程 Capacity	0-50kg	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.2% F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1% F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1% F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1% F.S./10°C	电缆线规格 Cable Specifications	φ2x2m
零点温度漂移 Temp Effect on Zero	0.1% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-103 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(KN)	A	B	C	D
10,20	16	14	15	50
50,75	22.4	20.4	22.4	100
100,150	31.8	28.9	28.7	125

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

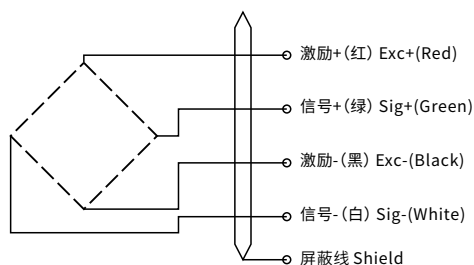
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

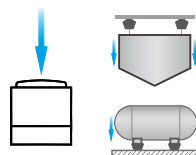
Application fields:

Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing belds.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

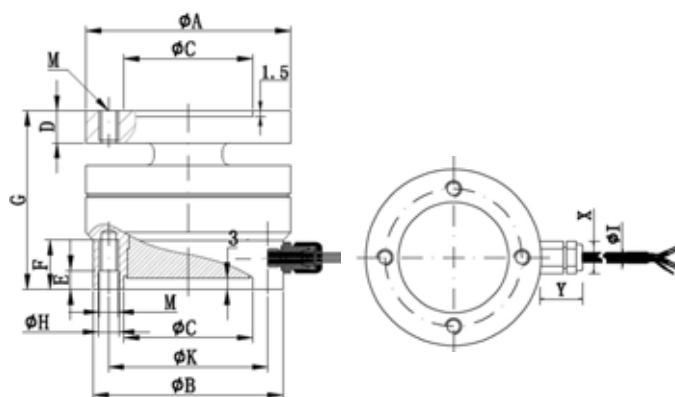


参数表 Parameters Table

量程 Capacity	0-150KN	材质 Material	不锈钢
输出灵敏度 Rated Output	1.0-1.5mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ2x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-104 柱式传感器
Column sensor

外形尺寸 External Dimension



量程(KN)	A	B	C	D	E	F	G	H	K	X	Y	I	J	Z	M
0.5-10	54	50	34	8.5	5	13	47	5.5	42	10	13	3	8	9	8-M5
20-100	95	90	55	15	5.5	20	72	11	70	15.7	14	5	10.5	14	10-M10

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设备领域和测试领域。

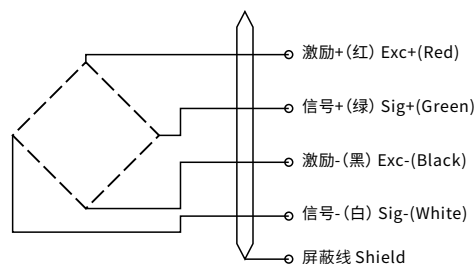
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

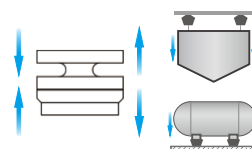
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-100N	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5% F.S.	使用电压 Operating Temp Range	10-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1% F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1% F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1% F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-105 柱式传感器 Column sensor



产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

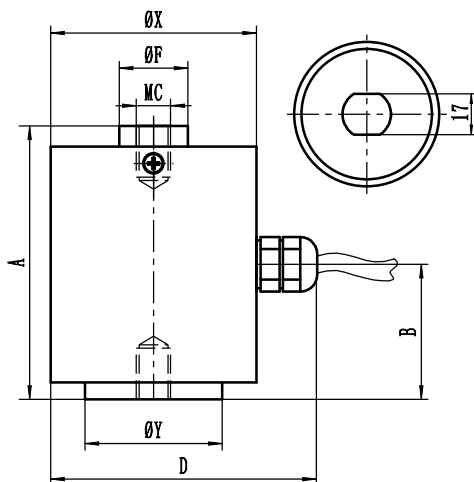
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

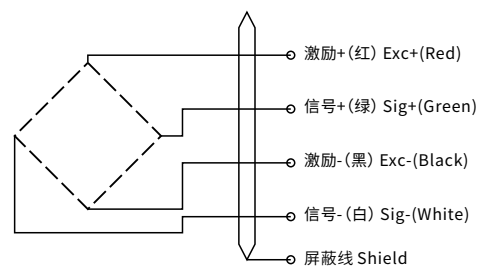
Automobile press Ptting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing pelds.

外形尺寸 External Dimension

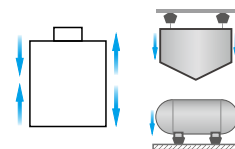


量程 (kg)	A	B	C	D	E	F	X	Y
50-500	80	37.5	M10x1.5-6H	74	20	17	60	40
1000-3000	120	45	M20x1.5-6H	74	36	30	60	40

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



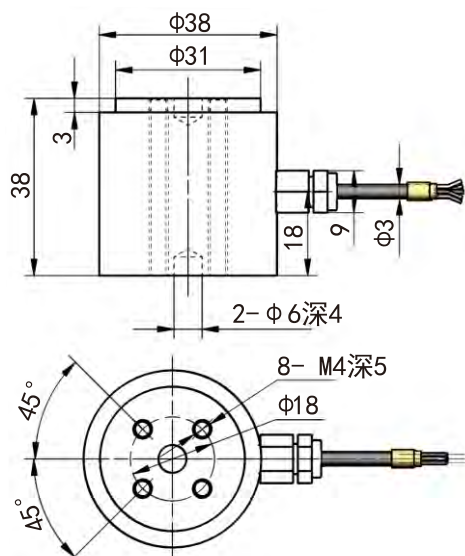
参数表 Parameters Table

量程 Capacity	0-20KN	材质 Material	不锈钢
输出灵敏度 Rated Output	1.5-2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-65℃
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-106 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(KN) 3 5 10 20 30 50

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 动态响应频率高, 优质不锈钢材料。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域, 模具组装及其他工业测试、自动化设备领域和测试领域。

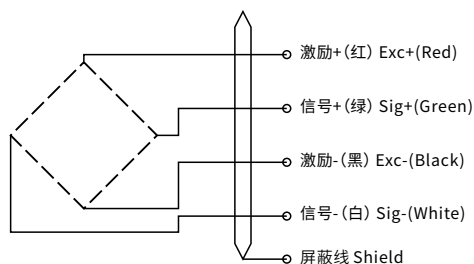
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

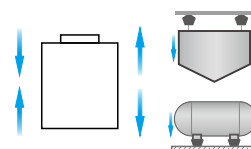
Application fields:

Automobile press fitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-50KN	材质 Material	铝合金
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5% F.S.	使用电压 Operating Temp Range	10-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1% F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1% F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1% F.S./10°C	电缆线规格 Cable Specifications	Φ3x2m
零点温度漂移 Temp Effect on Zero	0.1% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-011 柱式传感器 Column sensor



产品综述 Product Reviews

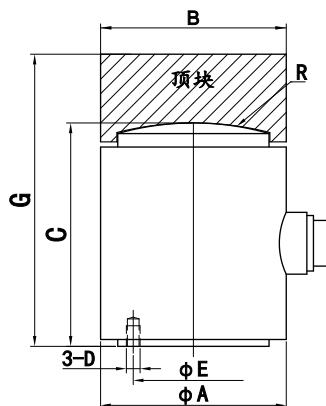
特性:
结构紧凑，综合精度高，长期稳定性好，优质合金钢表面镀镍。

应用领域:
大力值试验机、标准测力仪、压力测试仪器以及自动化设备领域和测试领域。

Characteristic:
Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

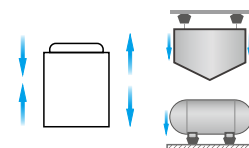
Application fields:
The field of large value testing machine, standard dynamometer, pressure testing instrument, automation equipment and testing field.

外形尺寸 External Dimension



量程	30-50t	60-100t	200t	300t	500t	700-1000t
ΦA	78	98	128	154	196	246
ΦB	78	98	128	154	196	246
C	100	110	140	170	220	282
D	M6	M6	M6	M8	M10	M16
E	55	75	100	120	150	190
R	100	120	200	300	400	500
G	125	140	180	215	275	352

传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-1000T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0/3.0±10% mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3% F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.1% F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05% F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05% F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05% F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

D620 一体式称重显示模块 Integrated weighing display module



产品综述 Product Reviews

特性:

一体式显示称重模块, 仪表部分精度可达到0.05%, 内置电池供电, 可通过USB接口或2.4G无线通信。

应用领域:

汽车压装、自动化组装、3C产品测试、新能源产品组装、医疗检测、机器人领域、模具组装及其他工业测试、自动化设备领域和测试领域。

Characteristic:

Integrated display and weighing module, the accuracy of the instrument can reach 0.05%, built-in battery power supply, can communicate through USB interface or 2.4G wireless communication.

Application fields:

Automobile press Pitting, automatic assembly, 3C product testing, new energy product assembly, medical testing, robotics, mold assembly and other industrial testing, automation equipment and testing fields.

D700 显示控制仪表 Display control instrument

外形尺寸 External Dimension



●无线手持仪表

可配合D620称重模块无线传输数据、液晶显示、可远程控制、通讯接口采用USB接口, 可使用USB线充电方便快捷内置3.7V、1000mAh锂电池。

参数表 Parameters Table

测量通道	四通道模拟输入
拱桥电压	5V
测量精度	20位
测量速度	测量速度可选10, 20, 80, 320次每秒
显示分度	测量值最大显示分度999999
按键及显示	采用480*320彩色液晶显示器
串口通讯	12键电容触摸按键
以太网口	可执行MODBUS-TCP协议, 和自定义协议
供电电源	10-30VDC供电, 小于2W
基本功能	测量 显示 滤波 标度变换 峰值捕获就 数据记录

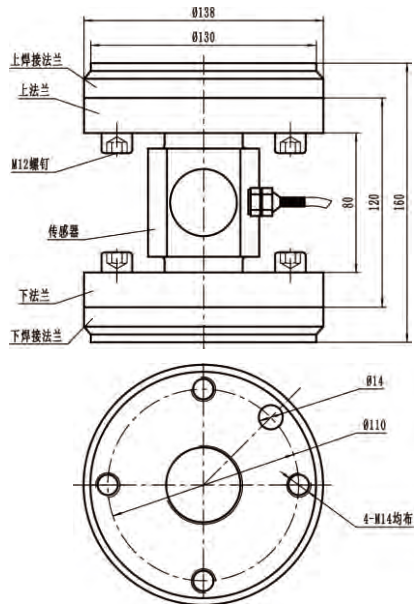
参数表 Parameters Table

量程 Capacity	取决于传感器的量程, 本公司有多种型号和量程的传感器可以通过加装嵌入式D620仪表构成一体式称重模块
非线性 Non-Linearity	仪表精度优于0.05%, 整个模块的精度取决于所配套的传感器型号。仪表显示分度最大到999999
通讯 Communication	D620称重模块有USB通讯和2.4G无线通讯口, 使用计算机USB通讯线可以与计算机通讯, 支持modbus-RTU通讯协议。也可以与本公司D900手持式仪表(带2.4G通讯模块的版本)通讯查看测量值, 修改参数和校准
工作环境 Work Environment	1.50-50°C
供电方式 Power supply mode	3.7V锂电池, 1000mAh, 可以通过手机充电器充电。模块持续工作时间大约20h

DYZ-013 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(T) 5 10 20 30

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设备领域和测试领域。

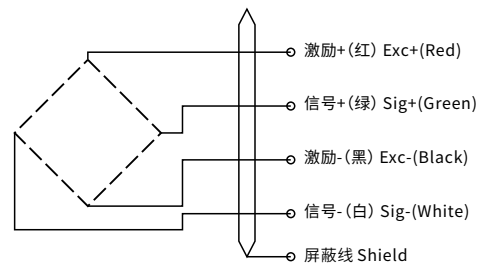
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

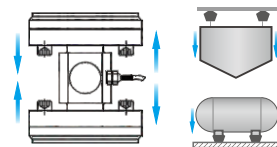
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

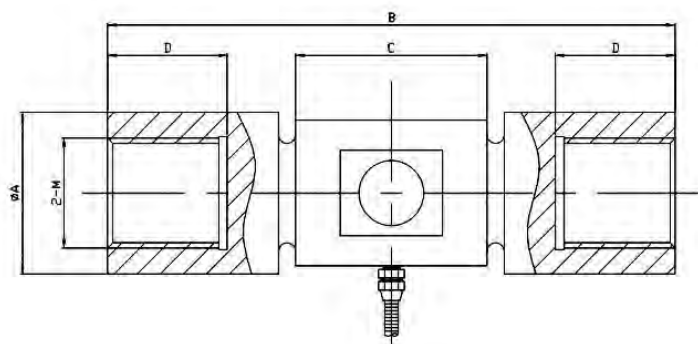


参数表 Parameters Table

量程 Capacity	0-30T	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-014 柱式传感器
Column sensor

外形尺寸 External Dimension



量程(T)	φA	B	C	2-M	D
20	60	180	64	M36*4	40
30	76	213	73	M45*4.5	45
50	94	332	112	M64*3	70
100	112	367	130	M76*3	80

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设备领域和测试领域。

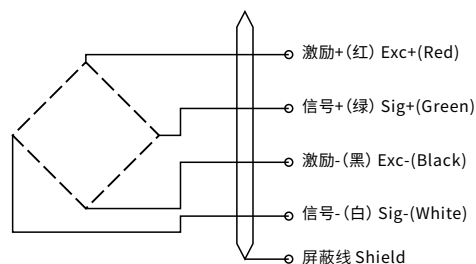
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

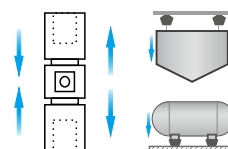
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



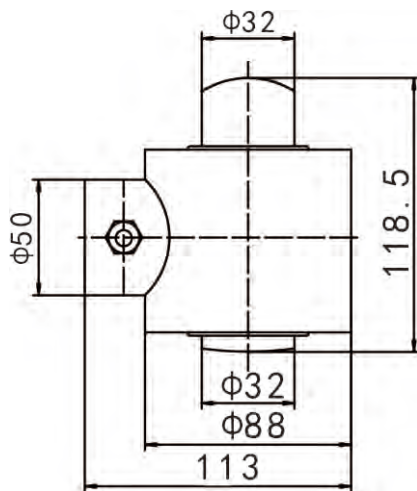
参数表 Parameters Table

量程 Capacity	0-100T	材质 Material	合金钢
输出灵敏度 Rated Output	1.5±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	10-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.5%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYZ-016 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(T) 3-30

产品综述 Product Reviews

特性:

结构紧凑, 综合精度高, 长期稳定性好, 优质合金钢表面镀镍。

应用领域:

大力值试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设备领域和测试领域。

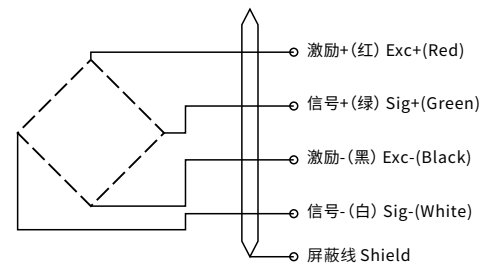
Characteristic:

Compact structure, high comprehensive precision, good long-term stability, high quality alloy steel surface nickel plating.

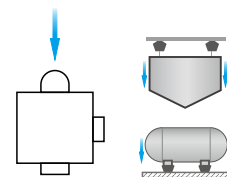
Application fields:

The field of tension and pressure testing instruments such as heavy duty testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester, automation equipment and testing field.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

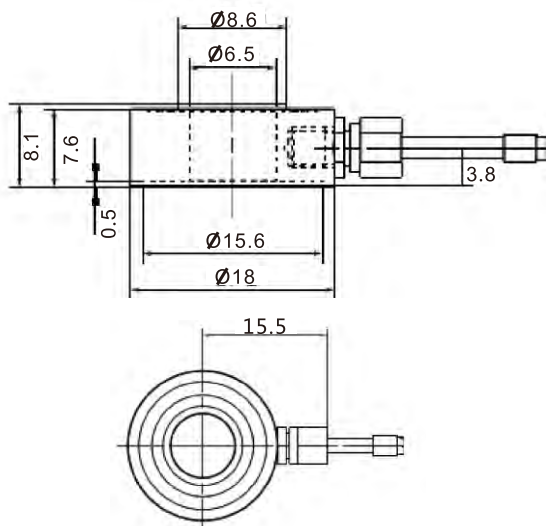


参数表 Parameters Table

量程 Capacity	3-30T	材质 Material	不锈钢
输出灵敏度 Rated Output	1.5-2.0mV/V	阻抗 Impedance	350/700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.5%F.S.	工作温度范围 Operating Temp Range	-20-65°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	Φ5x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYHX-001 柱式传感器
Column sensor

外形尺寸 External Dimension



量程(kg) 5 10 20 30 50 100

产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

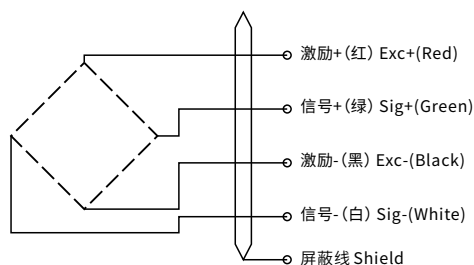
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

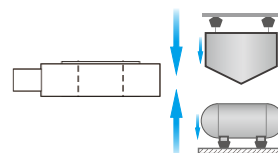
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



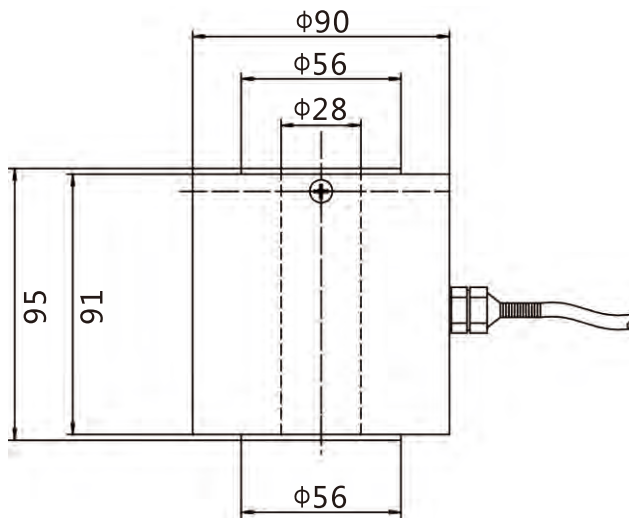
参数表 Parameters Table

量程 Capacity	0-100kg	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	350 Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-10v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	ϕ 2x2m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYHX-002 柱式传感器 Column sensor



外形尺寸 External Dimension



量程(T) 5 10 20 30 50

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

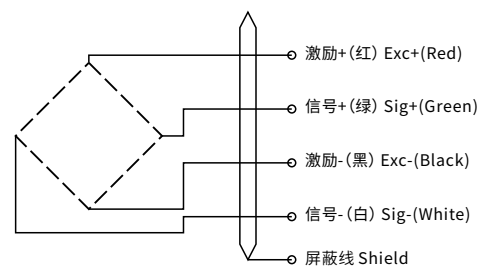
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

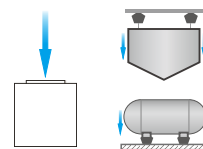
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

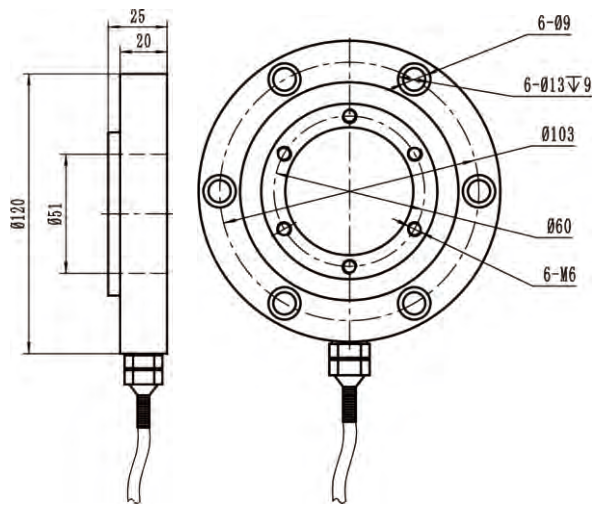


参数表 Parameters Table

量程 Capacity	5-50T	材质 Material	合金钢
输出灵敏度 Rated Output	1.5±10% mV/V	阻抗 Impedance	700 Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYHX-003 柱式传感器
Column sensor

外形尺寸 External Dimension



量程(kg) 50 200 300 500 1000 3000 5000

产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

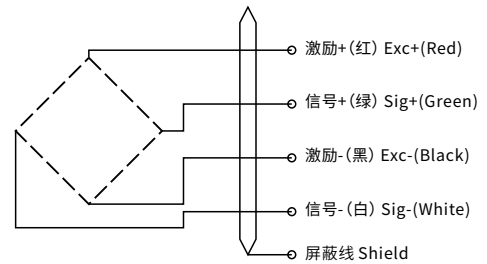
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

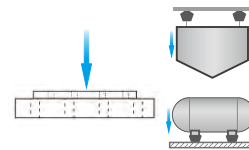
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



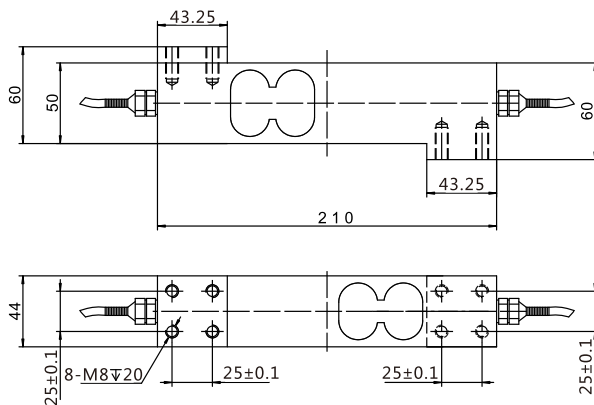
参数表 Parameters Table

量程 Capacity	5000kg	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	700 Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
非线性 Non-Linearity	0.5%F.S.	使用电压 Operating Temp Range	5-10v
滞后 Hysteresis	0.3%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.3%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	ϕ 5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-001 多维力传感器 Multi dimensional force sensor



外形尺寸 External Dimension



受力方向量程(kg)

X	50	100	200	500	1000
Y	50	100	200	500	1000

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

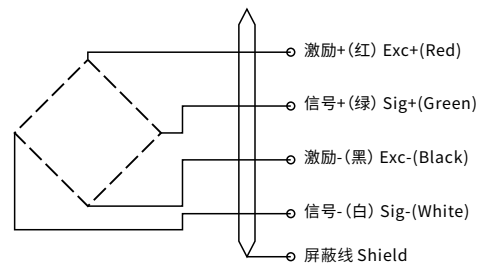
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

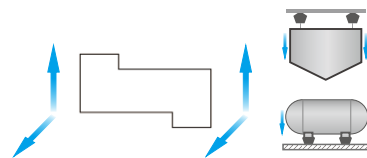
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



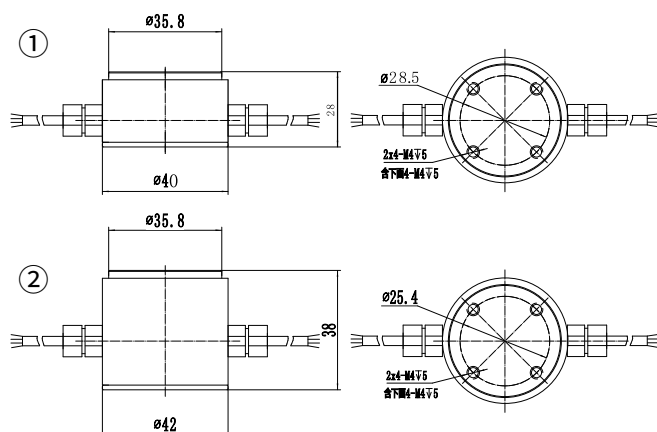
参数表 Parameters Table

量程 Capacity	0-1000kg	材质 Material	合金钢
输出灵敏度 Rated Output	1.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-75°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	300%
温度灵敏度漂移 Temp Effect on Output	0.5%F.S./10°C	电缆线规格 Cable Specifications	φ5x4m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-003 多维力传感器 Multi dimensional force sensor



外形尺寸 External Dimension



① 拉压力量程(N)

Fz 50 10 100 300

扭力量程(N.m)

M(N.m) 1 2 3

② 拉压力量程(N)

Fz 500 1000

扭力量程(N.m)

M(N.m) 5 10 30 50

产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

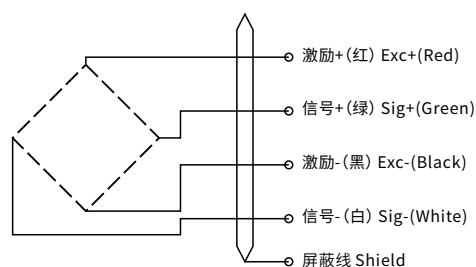
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

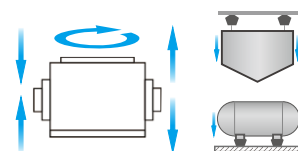
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



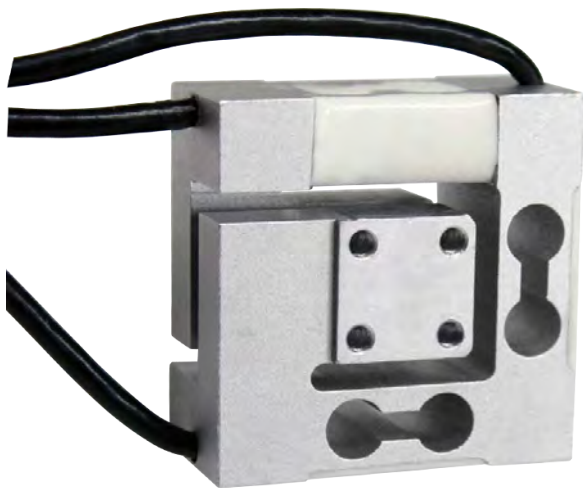
传感器受力图 Force diagram of sensor



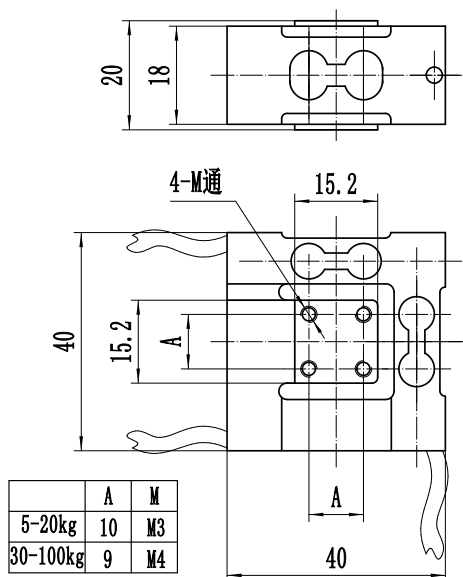
参数表 Parameters Table

量程 Capacity	1-50N.m 50-1000N	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10%mv/v	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-10v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-004 多维力传感器 Multi dimensional force sensor



外形尺寸 External Dimension



受力方向量程(kg)
XYZ 5/10/20/30/50/100

产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

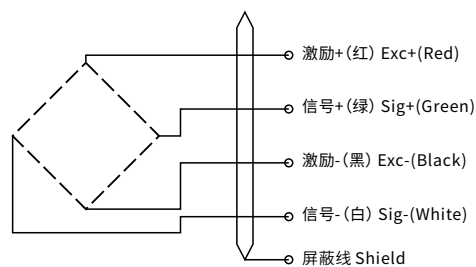
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

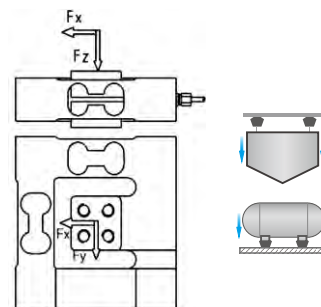
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	5-100kg	材质 Material	铝合金/合金钢
输出灵敏度 Rated Output	1.0-1.5mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	1.0%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	1.0%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	150%
耦合精度 Coupling accuracy	0.5%F.S.	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-005 多维力传感器 Multi dimensional force sensor



产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设

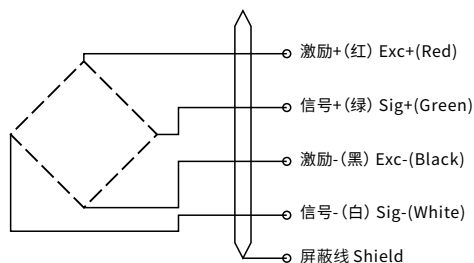
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

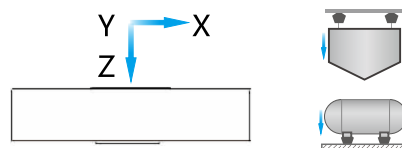
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



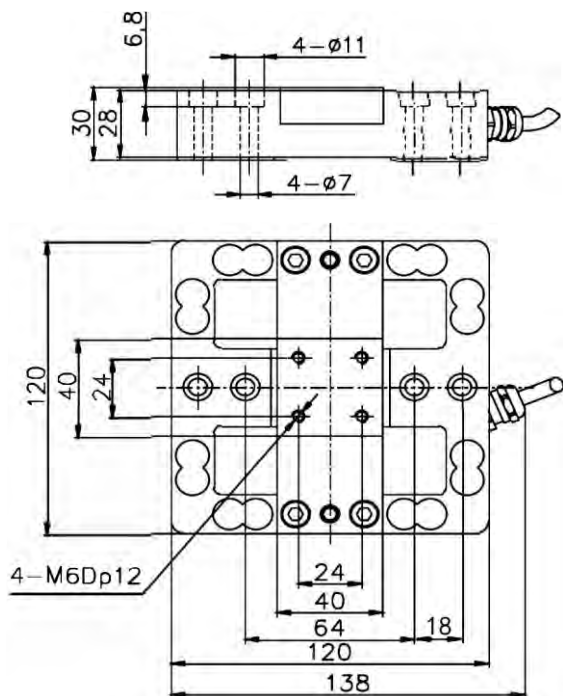
传感器受力图 Force diagram of sensor



受力方向量程 (N)

X	100/200/500/1000/2000/5000
Y	100/200/500/1000/2000/5000
Z	100/200/500/1000/2000/5000

外形尺寸 External Dimension



参数表 Parameters Table

量程 Capacity	100-5000N	材质 Material	铝合金/合金钢
输出灵敏度 Rated Output	1.0mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-75°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.5%F.S.	极限过载 Maximum Overload	300%
耦合精度 Coupling accuracy	0.5%F.S.	电缆线规格 Cable Specifications	φ6x4m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-006 多维力传感器 Multi dimensional force sensor



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

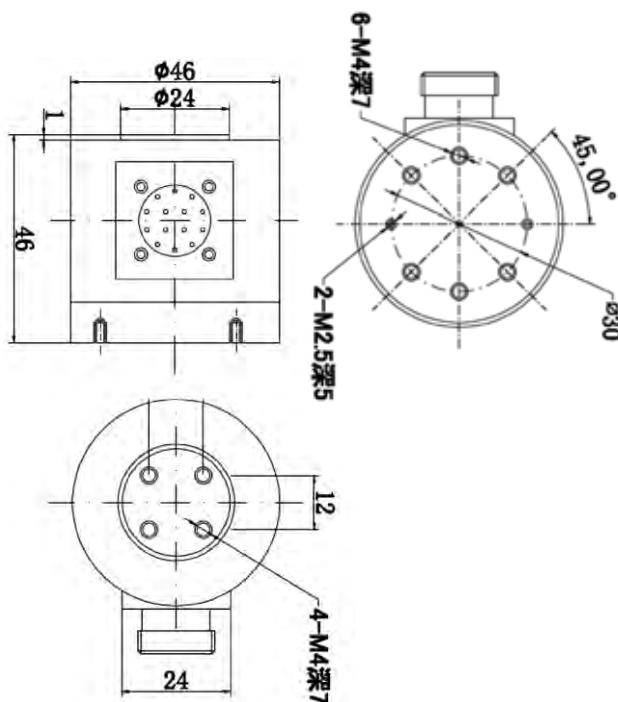
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

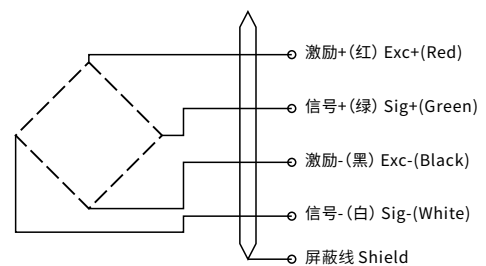
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

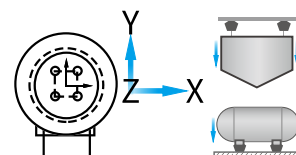
外形尺寸 External Dimension



传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



受力方向量程 (kg)

X	5/10/20/50
Y	5/10/20/50
Z	5/10/20/50/100

参数表 Parameters Table

量程 Capacity	5-100kg	材质 Material	合金钢
输出灵敏度 Rated Output	1.0±10% mV/V	阻抗 Impedance	700Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	1.0% F.S.	使用电压 Operating Temp Range	5-10V
滞后 Hysteresis	1.0% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	1.0% F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1% F.S.	极限过载 Maximum Overload	200%
耦合精度 Coupling accuracy	0.5% F.S.	电缆线规格 Cable Specifications	φ6x3m
零点温度漂移 Temp Effect on Zero	0.05% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYDW-007 多维力传感器

Multi dimensional force sensor



产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

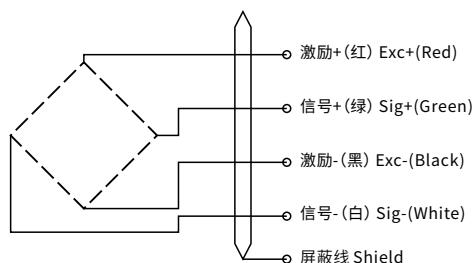
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

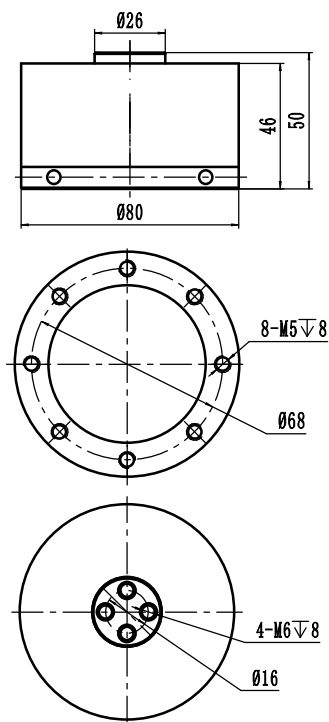
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

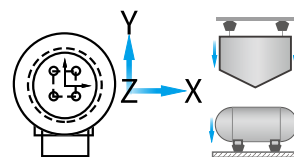
传感器接线示意图 Sensor wiring diagram



外形尺寸 External Dimension



传感器受力图 Force diagram of sensor



受力方向量程 (kg)

X	50/200/500/1000
Y	50/200/500/1000
Z	50/200/500/1000

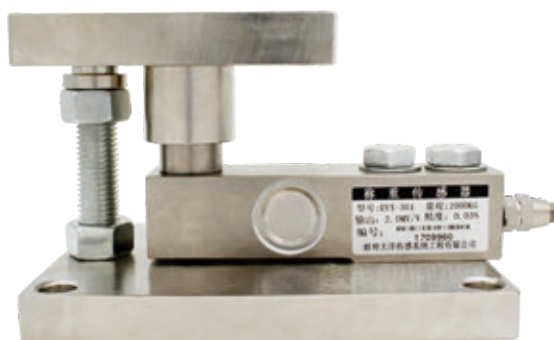
扭矩力量程 (N.m)

X	10/50/100/300/500
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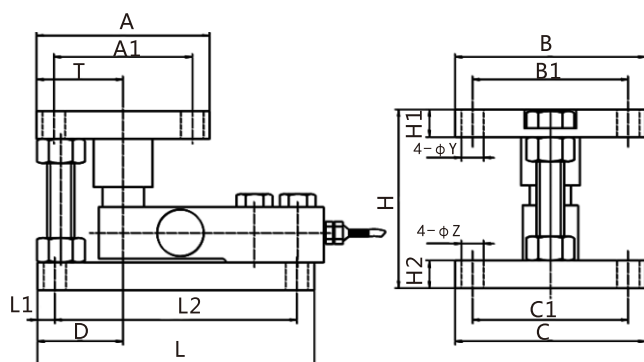
参数表 Parameters Table

量程 Capacity	0-1000kg	材质 Material	合金钢
输出灵敏度 Rated Output	1.0mV/V	阻抗 Impedance	350/700/1400Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-12V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-75°C
重复性 Repeatability	0.5%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.5%F.S.	极限过载 Maximum Overload	300%
耦合精度 Coupling accuracy	0.5%F.S.	电缆线规格 Cable Specifications	φ3x4m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMK-001 称重模块 Weighing Module



外形尺寸 External Dimension



量程	A	A1	B	B1	L	L1	L2	C	C1	H	H1	H2	Y	Z	T	D
0.1-2t	100	80	110	90	160	10	140	110	90	103.5	16	16	13	13	50	49.5
3-5t	150	122	110	80	228	14	200	110	80	109.5	26.5	24	13	13	75	75
10-15t	180	140	140	100	290	20	250	140	100	157.5	30	30	22	22	90	90

产品综述 Product Reviews

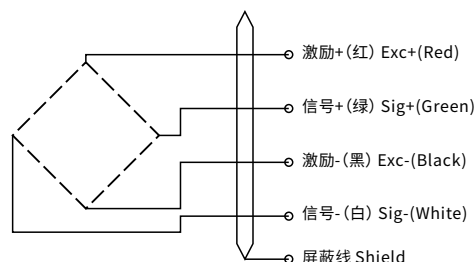
特性:
拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:
万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

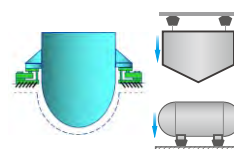
Characteristic:
It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



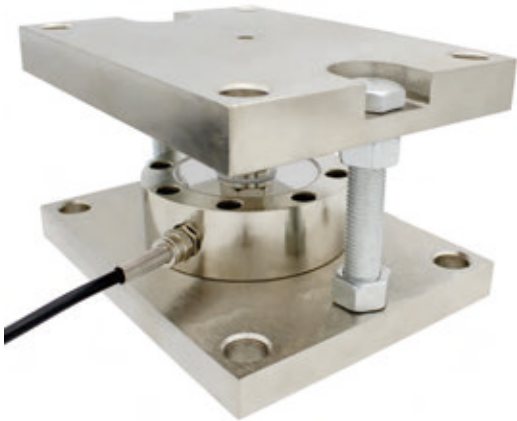
传感器受力图 Force diagram of sensor



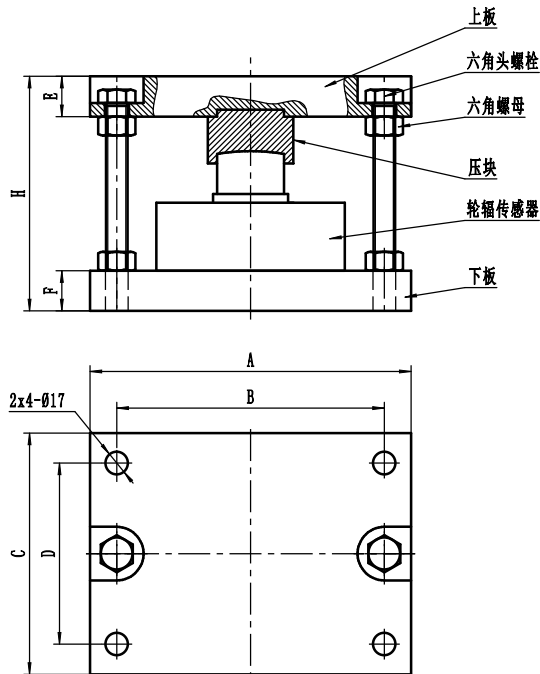
参数表 Parameters Table

量程 Capacity	0-15T	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10%mv/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.1%F.S.	使用电压 Operating Temp Range	5-10v
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMK-002 称重模块
Weighing Module



外形尺寸 External Dimension



产品综述 Product Reviews

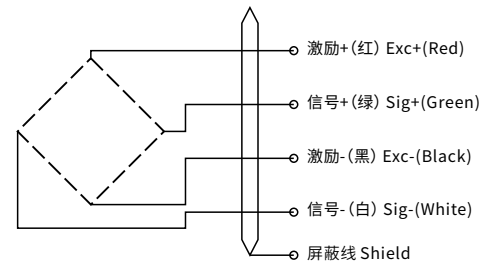
特性:
结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:
万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设

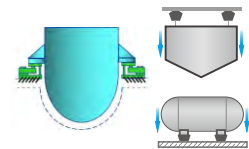
Characteristic:
Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

Application fields:
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程	A	B	C	D	E	H
1-5T	200	170	150	120	24	110
10-20T	200	160	160	125	25	145
30T	240	200	180	135	30	175
40-60T	240	200	180	135	30	175

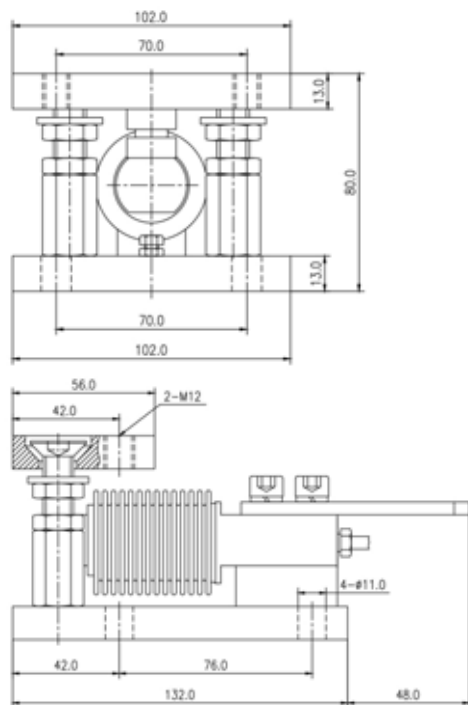
参数表 Parameters Table

量程 Capacity	0-60T	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.002mV/V	阻抗 Impedance	700/1400Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MQ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S.	电缆线规格 Cable Specifications	φ5x5m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMK-006 称重模块 Weighing Module



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

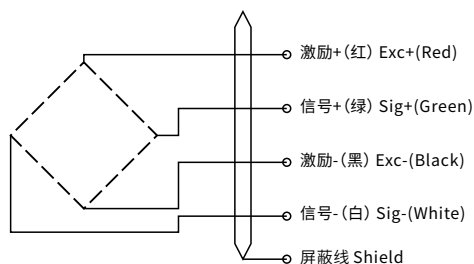
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

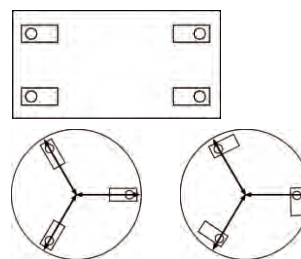
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程 (kg) 10 20 50 100 200 500

参数表 Parameters Table

量程 Capacity	0-500kg	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.002mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15v
滞后 Hysteresis	0.3%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.3%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.1%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.1%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYFW 称重模块 Weighing Module



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

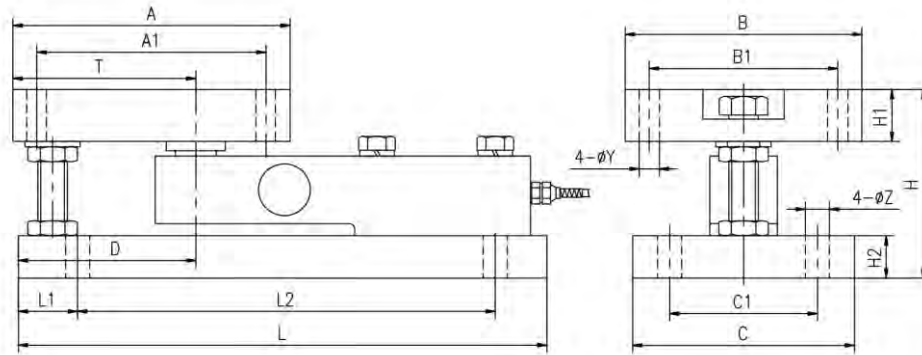
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

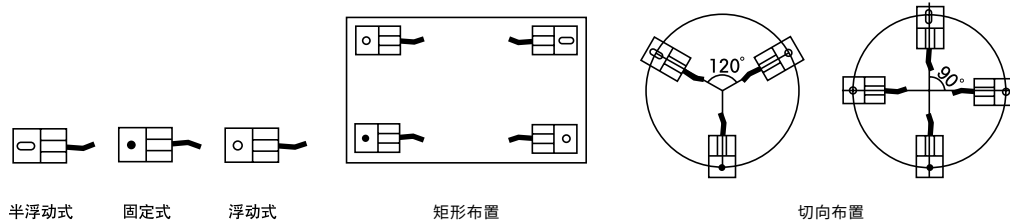
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

外形尺寸 External Dimension



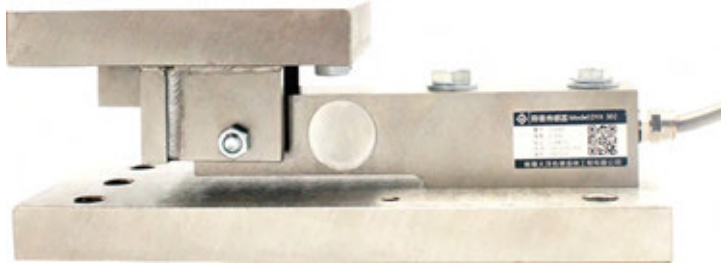
额定载荷(T)	A	A1	B	B1	L	L1	L2	C	C1	H	H1	H2	Y	Z	T	D
0.5-3	150	124	128	102	286	32	226	112	80	102	28	23	13	13	99	96
5-8	178	146	152	120	317.5	32	257	152	102	130	38	29.5	17	17	102	99
10	184	152	154	122	360	32	295	154	106	168	45	45	21	21	108	105
15-25	220	170	220	170	400	25	350	220	170	213	55	55	26	26	115	115

传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-25T	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.002mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥2000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x5m
零点温度漂移 Temp Effect on Zero	0.03%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	



产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉力测试仪器以及自动化设

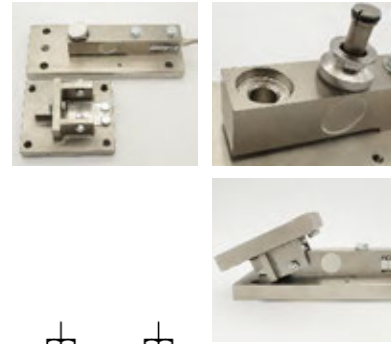
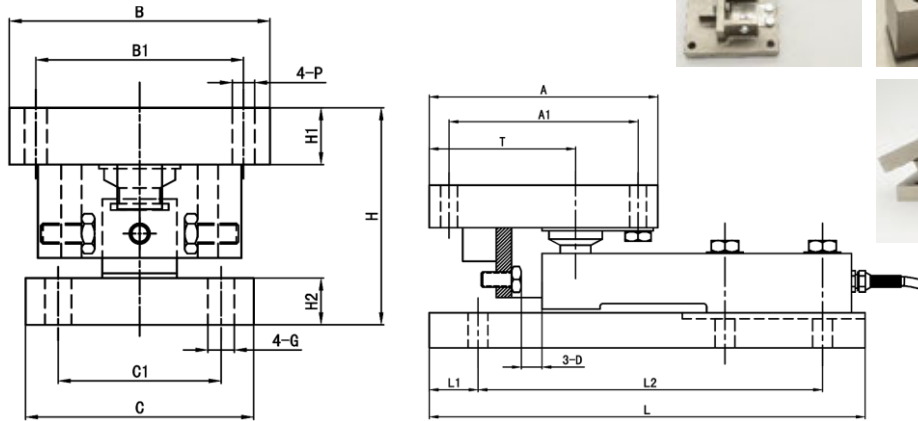
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

Application fields:

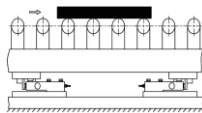
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

外形尺寸 External Dimension

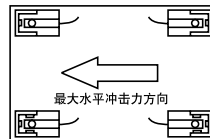


称重(T)	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	T	P	G	D
0.3,0.5,1,2,3	286	32	226	150	124	128	102	112	80	106.9	28	23	96	M10	φ13	1.6
5	317.5	32	257	178	146	152	120	152	102	146.2	38	30	99	M16	φ17	1.6
10	360	32	295	184	152	154	122	154	106	215.7	45	45	105	M20	φ21	3
15,20	400	25	350	220	170	220	170	220	170	255.7	55	55	115	M24	φ26	3

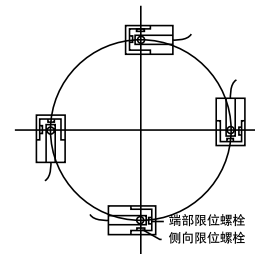
传感器受力图 Force diagram of sensor



应用案例



矩形布置



切向布置

参数表 Parameters Table

量程 Capacity	0-20T	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.002mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.02%F.S./10°C	电缆线规格 Cable Specifications	φ5x2m
零点温度漂移 Temp Effect on Zero	0.02%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYFWC 称重模块 Weighing Module



产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

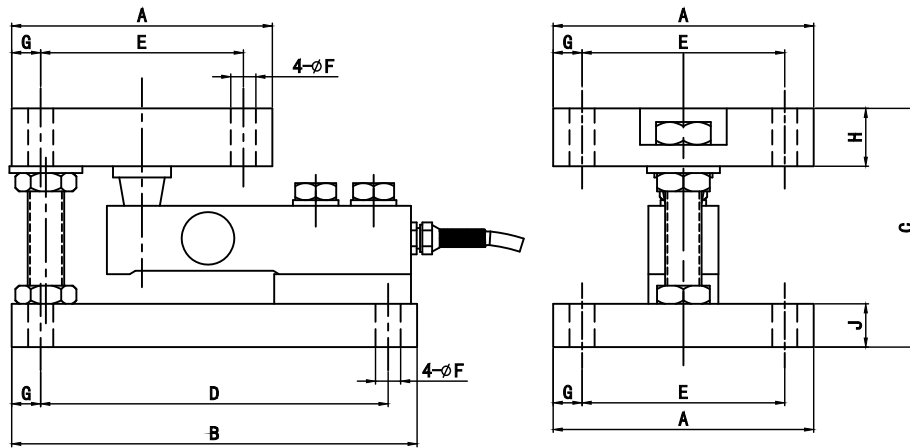
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

Application fields:

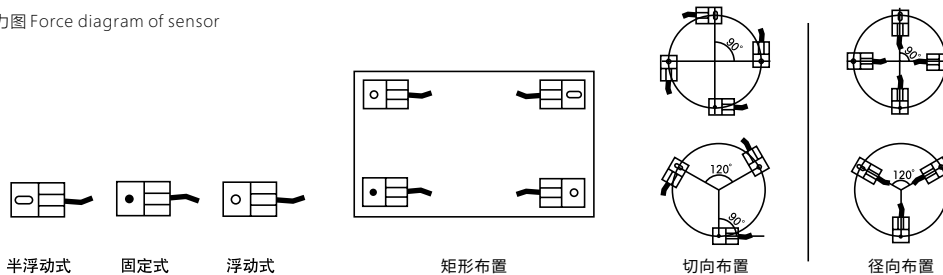
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

外形尺寸 External Dimension



量程(t)	A	B	C	D	E	ΦF	G	H	J	K
0-3	114.3	177.8	104.8	152.4	88.9	11	12.7	25.4	19	50.8
5	152.4	235	136.5	184.2	101.6	17.5	25.4	31.8	25.4	65.1
10	203.2	355.6	190.5	304.8	152.4	20.6	25.4	44.5	44.5	96.8
20	228.6	406.4	228.6	342.9	165.1	28.5	31.8	50.8	50.8	114

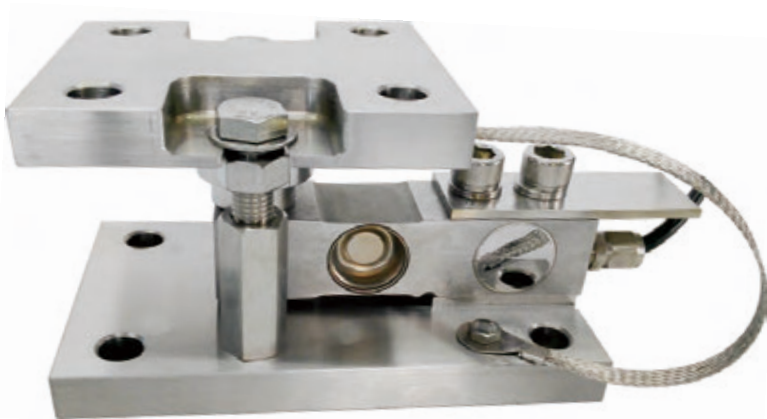
传感器受力图 Force diagram of sensor



参数表 Parameters Table

量程 Capacity	0-20T	材质 Material	不锈钢/合金钢
输出灵敏度 Rated Output	2.0±0.05mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.02%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYMK-007 称重模块 Weighing Module



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

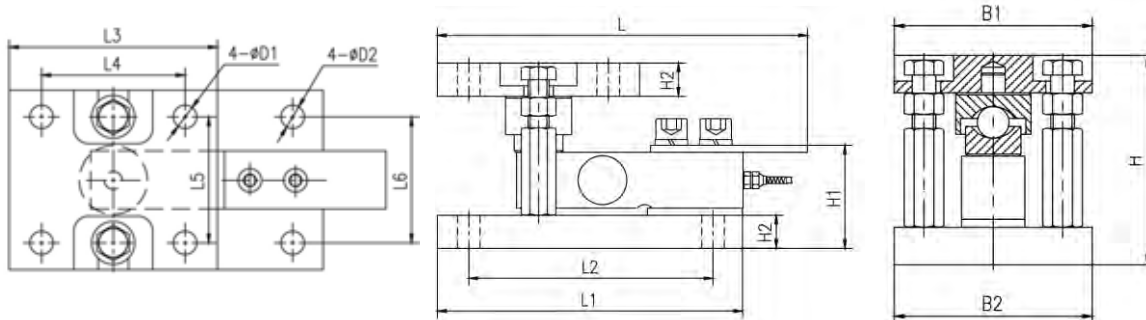
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

Application fields:

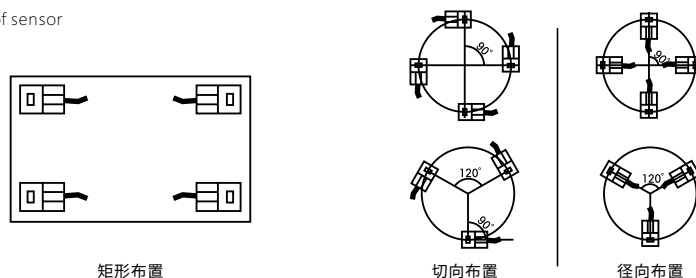
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

外形尺寸 External Dimension



额定载荷(T)	H	H1	H2	B1	B2	D1	D2	L	L1	L2	L3	L4	L5	L6
0.25-2.5	106	58	18	100	100	13	13	210	175	140	116	80	70	70
3-5	135	73	23	150	150	17	17	270	235	200	150	100	90	90
7.5-10	186.3	93.3	$\frac{38(L)}{28.5(F)}$	180	180	26	26	345.2	310	250	210.4	150.4	110	110

传感器受力图 Force diagram of sensor

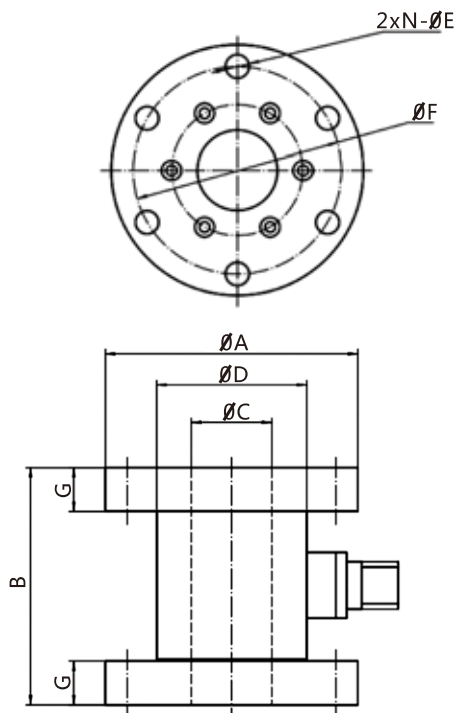


参数表 Parameters Table

量程 Capacity	0-10T	材质 Material	不锈钢
输出灵敏度 Rated Output	2.0±0.002mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±1%F.S.	绝缘电阻 Insulation	≥2000MΩ/100VDC
非线性 Non-Linearity	0.03%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.03%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.03%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.03%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10℃	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.03%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYJN-101 静态扭矩传感器
Static torque sensor

外形尺寸 External Dimension



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

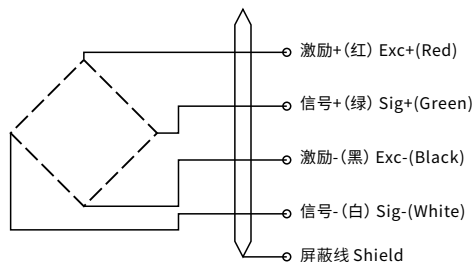
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

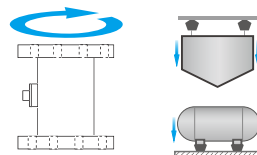
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程 (N.m)	A	B	C	D	E	F	N	G
1-30	69	65	14	41	6.5	57	6	12
30-300	69	65	22	41	6.5	57	6	12
500-1000	98	80	30	60	8.5	80	8	15
2000-5000	125	96	45	79	13	105	8	20
10000	160	120	40	101	17	130	8	30

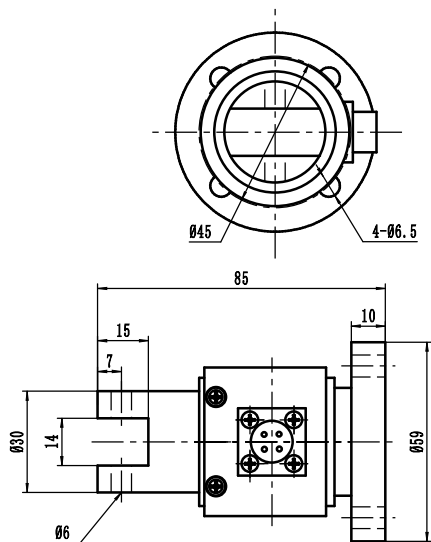
参数表 Parameters Table

量程 Capacity	0-10000N.m	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0mV/V	阻抗 Impedance	350/700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYJN-102 静态扭矩传感器 Static torque sensor



外形尺寸 External Dimension



量程(N.m) 10 20 30 50 100 200

产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

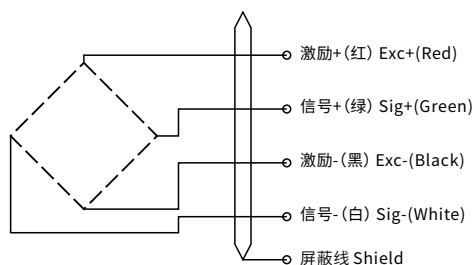
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

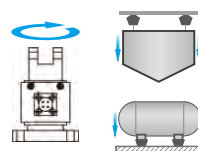
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor

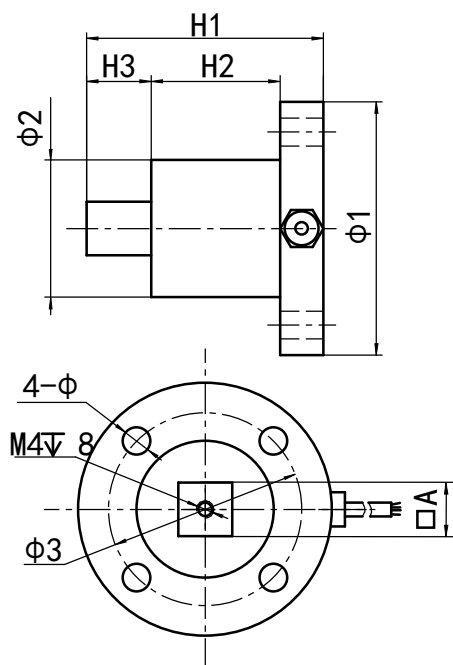


参数表 Parameters Table

量程 Capacity	0-200N.m	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10% mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3% F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1% F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1% F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05% F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05% F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYJN-103 静态扭矩传感器
Static torque sensor

外形尺寸 External Dimension



产品综述 Product Reviews

特性:

拉压双向受力、结构紧凑、综合精度高、长期稳定

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

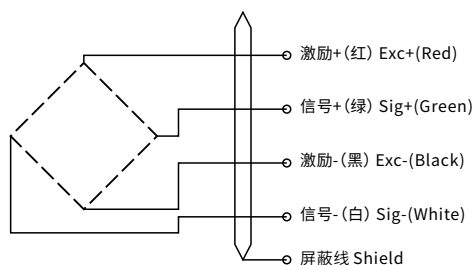
Characteristic:

It has the advantages of bi-directional tension and compression, compact structure, high comprehensive precision, good long-term stability and nickel plating on the surface of high-quality alloy steel.

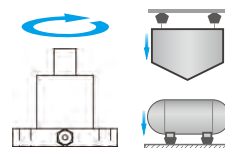
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程(N.m)	A	H1	H2	H3	φ1	φ2	φ3	φ
2-200	12.5	55	30	15	59	32	45	6.5
300-1500	25.4	75	40	24	68	40	55	8.5
2000-3000	25.4	85	44	24	98	56	80	13

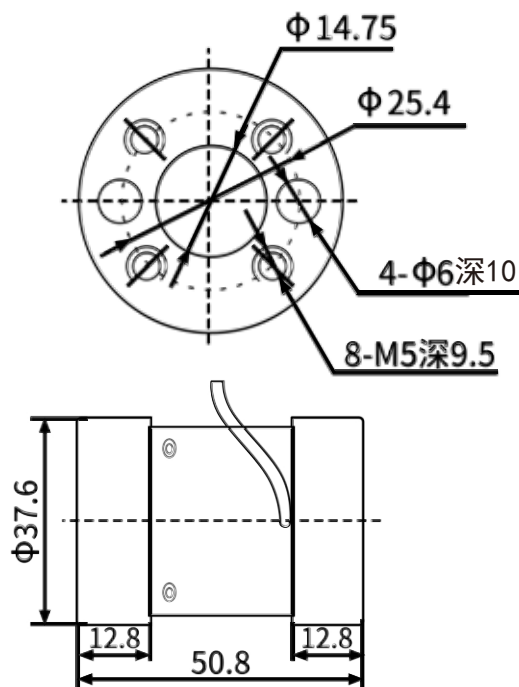
参数表 Parameters Table

量程 Capacity	0-3000N.m	材质 Material	合金钢
输出灵敏度 Rated Output	1.0-2.0mV/V	阻抗 Impedance	350/700Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80℃
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10℃	电缆线规格 Cable Specifications	φ3x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYJN-104 静态扭矩传感器 Static torque sensor



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

结构紧凑便于安装, 防护等级:IP65,用于静态,非连

应用领域:

万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

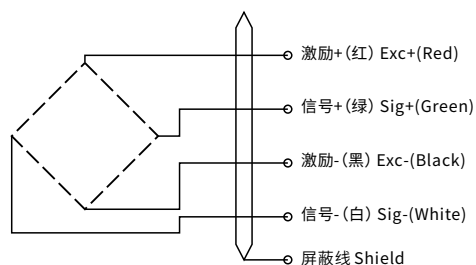
Characteristic:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

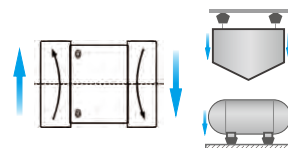
Application fields:

Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing beld.

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



量程(N.m) 1 2 3 5 6 10 20 30 50 100 150

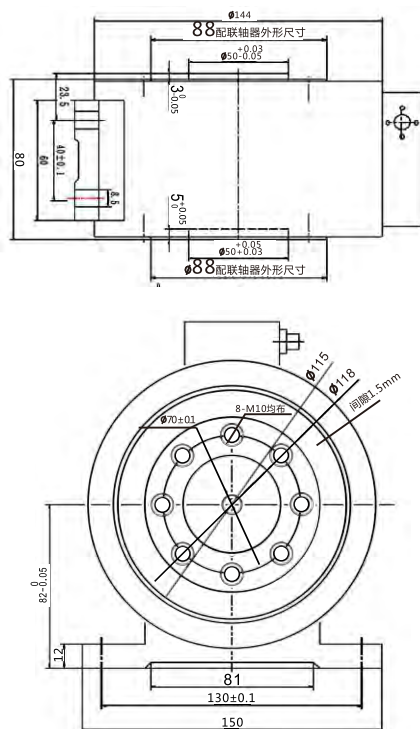
参数表 Parameters Table

量程 Capacity	0-150N.m	材质 Material	铝合金/合金钢
输出灵敏度 Rated Output	2.0mV/V	阻抗 Impedance	350Ω
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-Linearity	0.05%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.05%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.05%F.S.	安全过载 Safe Overload	150%
蠕变(30分钟) Creep(30min)	0.05%F.S.	极限过载 Maximum Overload	200%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ3x2m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	

DYN-502 动态扭矩传感器 Dynamic torque sensor



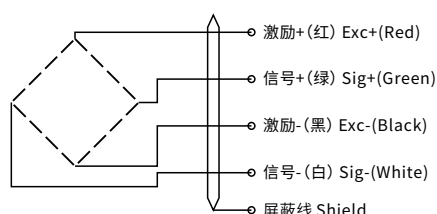
外形尺寸 External Dimension



量程 (N.m)

100	200	500	1000	2000	3000
5000	10000	20000	30000	50000	

传感器接线示意图 Sensor wiring diagram



产品综述 Product Reviews

特性:

抗干扰性强、精度高稳定性好、输出信号数字化功能、体积小、重量轻、易于安装、能源及信号非接触传递功能、传递信号时与是否旋转，转速和转向无关、不需要反复调零即可连续传递正反扭矩信号、没有集流环等磨损件、可高转速长时间运行、外壳与旋转盘之间无轴承、可适应长时间高速运转、可以传递静止/旋转/静态/动态扭矩信号。

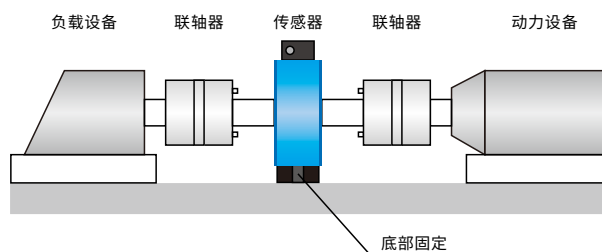
Characteristic:

Strong anti-interference, high precision, good stability, small size, light weight, easy installation, non-contact transmission function of energy and signal, independent of rotation speed and steering when transmitting signal, can continuously transmit positive and negative torque signal without repeated zero adjustment, without wearing parts such as collector ring, and can run at high speed for a long time. It can be used for long-time high-speed operation and can transmit static / rotating / static / dynamic torque signals.

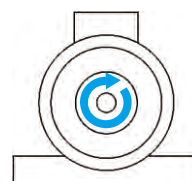
参数表 Parameters Table

量程 Capacity	0-50000N.m
转速量程 Speed Signal	rpm
转速信号 Speed Capacity	脉冲/转、mA、V
供电电源 Power Supply	5-15V
零点输出 Zero Balance	0.2%F.S.
非线性 Non-Linearity	0.05%F.S.
滞后 Hysteresis	0.05%F.S.
重复性 Repeatability	0.05%F.S.
蠕变(30分钟) Creep(30min)	0.05%F.S.
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	合金钢
年稳定性 Stability per yer	0.3%/年
阻抗 Impedance	750Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-15V
工作温度范围 Operating Temp Range	-20-80°C
相对湿度 Relative Humidity	0-90%RH
安全过载 Safe Overload	120%
极限过载 Maximum Overload	150%
电缆线规格 Cable Specifications	φ5×3m
线缆极限拉力 Cable ultimate pull	10kg
TEDS可选	可选

安装示意图 Installation diagram

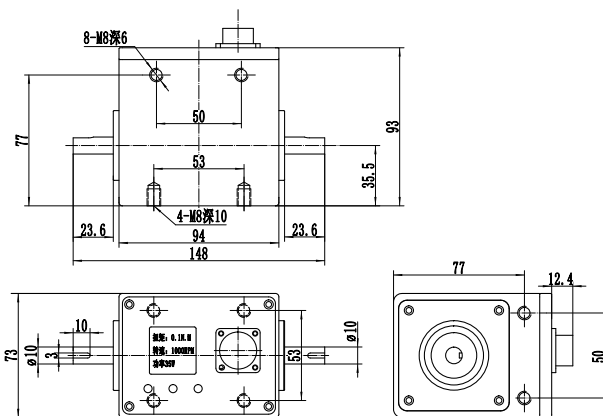


传感器受力图 Force diagram of sensor





外形尺寸 External Dimension



量程(N.m) 0.1 0.3 0.5 1 2 5

Technical drawing of the 1000 series pressure washer, showing front, side, and top views with dimensions in mm.

Front View (Top):

- Overall width: 168 mm
- Overall height: 93 mm
- Distance between top mounting holes: 50 mm
- Distance between bottom mounting holes: 53 mm
- Distance between side mounting holes: 94 mm
- Distance from left side to first mounting hole: 33.6 mm
- Distance from right side to first mounting hole: 33.6 mm
- Top mounting hole diameter: $\phi 4.1$ mm
- Bottom mounting hole diameter: $\phi 3.5$ mm
- Top mounting hole label: 8-M8深6
- Bottom mounting hole label: 4-M8深10

Side View (Bottom):

- Overall width: 77 mm
- Overall height: 12.4 mm
- Distance between side mounting holes: 20.5 mm
- Distance from left side to first mounting hole: 12.4 mm
- Distance from right side to first mounting hole: 12.4 mm
- Side mounting hole diameter: $\phi 1.8$ mm
- Side mounting hole label: 4-M8深10

Top View (Right):

- Overall width: 77 mm
- Overall height: 12.4 mm
- Distance between top mounting holes: 20.5 mm
- Distance from left side to first mounting hole: 12.4 mm
- Distance from right side to first mounting hole: 12.4 mm
- Top mounting hole diameter: $\phi 1.8$ mm
- Top mounting hole label: 4-M8深10

[illegible]

量程(N.m)	200	300
精度(N.m)	±0.5	±0.5
分辨率(N.m)	0.01	0.01
重量(kg)	0.5	0.5
尺寸(mm)	100	100
接口	RS-485	RS-485
供电电压(V)	12	12
工作温度(°C)	-10~40	-10~40
存储温度(°C)	-20~60	-20~60
相对湿度(%)	10~90	10~90
防护等级	IP65	IP65
认证	CE	CE
保修期(年)	3	3
售后服务	24小时	24小时
培训费用	0	0
运输费用	0	0
安装费用	0	0
维护费用	0	0
其他费用	0	0
总费用	0	0

产品综述 Product Reviews

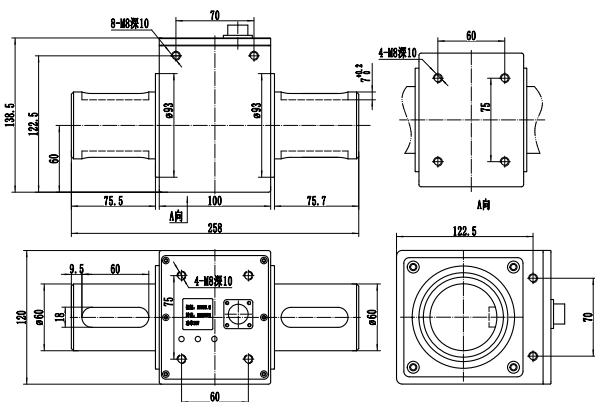
特性:

- 将当前测量的扭矩值与转速值实时显示。
- 可以直接计算出当前功率值。
- 支持RS485通信，支持主动上传协议。
- 通信速率可达每秒500次或1000次。
- 本传感器支持变送电流与变送电压同时输出。
- 传感器自带 OLED 显示，分辨率为 128*64。
- 可以进行简单的标定、清零、滤波等操作。
- 允许传感器过载 200%。
- 精度实现了 1/1000 以上的精度，优秀的零点稳定性。

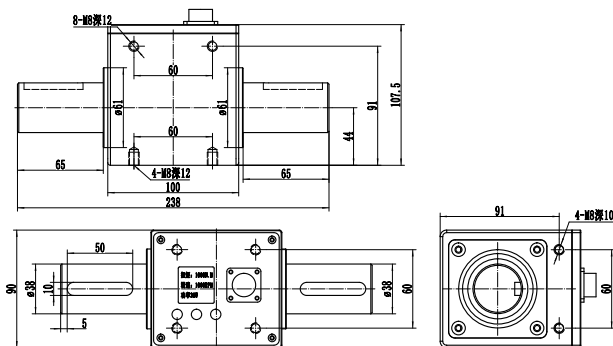
Characteristic:

- The current measured torque value and speed value are displayed in real time.
- The current power value can be calculated directly.
- Support RS485 communication and active upload protocol
- The communication rate can reach 500 or 1000 times per second.
- The sensor supports simultaneous output of transmitting current and transmitting voltage.
- The sensor has an OLED display with a resolution of 128 * 64.
- It can carry out simple calibration, zero clearing, filtering and other operations.
- The sensor is allowed to overload 200%.
- The accuracy is more than 1 / 1000 and the zero point stability is excellent.

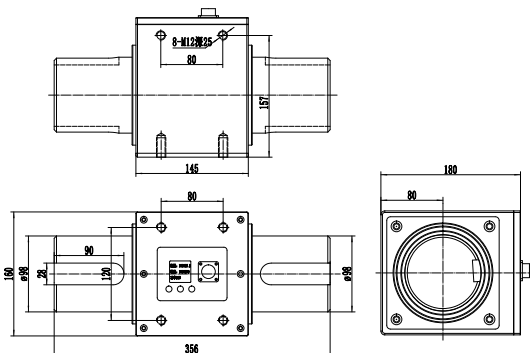
外形尺寸 External Dimension



量程 (N.m) 1000 2000 3000 5000



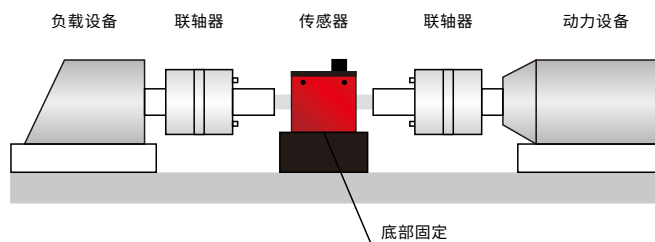
量程 (N.m) 500 600 800



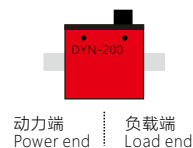
量程 (N.m) 10000 20000



安装示意图 installation diagram



传感器受力图 Force diagram of sensor



应用领域 Application



1. 检测各种加工中心自动机床工作过程中的扭矩。
2. 电/气动扭矩扳手

1. Inspection of various machining centers During the operation of automatic machine tool Torque.
2. Electric / pneumatic torque wrench.

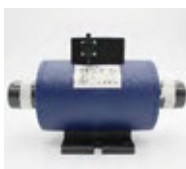


1. 检测电动机、内燃机等旋转动力设备

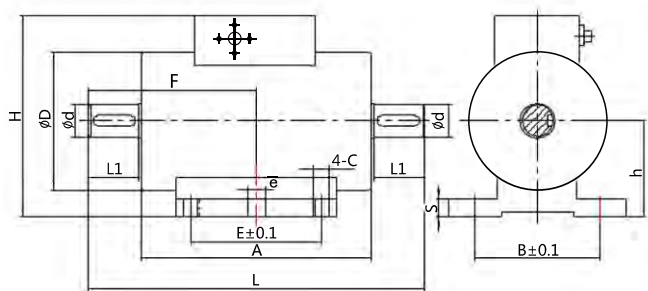
1. Testing motor, internal combustion engine and other rotating power equipment.

DYN-201 动态扭矩传感器

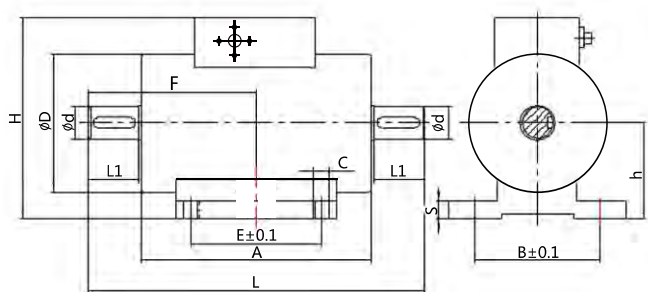
Dynamic torque sensor



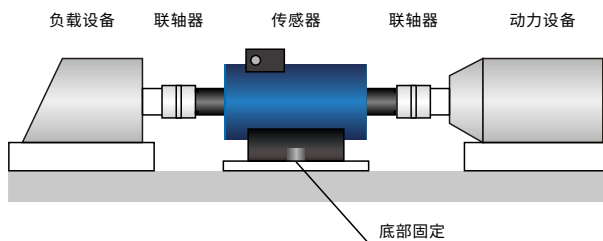
外形尺寸 External Dimension



N·m	φD	φd	L	L1	E	e	C	A	H	h	B	F	s	转速(转/分)	自重	键(长*宽*高)
5-100	80	18	188	28	72	11	M8	128	123	56	80	96	10	10000	4	单键22*6*6
200	88	28	207	35	72	11	M8	133	124	60	80	103.5	10	8000	5	单键29*8*7
500	98	38	240	45	72	11	M8	146	142	65	80	120	10	7000	6.1	双键38*10*8



安装示意图 installation diagram



N·m	φD	φd	L	L1	E	A	H	h	B	F	s	c	转速(转/分)	自重	键(长*宽*高)
1000	108	48	275	60	69	149	152	70	90	137.5	15	11	6300	9.6	双键50*14*9
2000	118	55	298	70	69	152	164	77	124	149	15	11	5600	13.7	双键60*16*10
5000	143	75	356	100	68	150	188	90	146	178	15	13	4800	22	双键93*20*12
1-2万	158	98	388	118	80	146	215	109	170	194	15	13	4000	34	双键109*28*16
5万	215	140	451	135	79	171	265	138	170	225.5	15	17	2800	55	双键123*36*
10万	247	180	572	180	90	156	305	162	250	261	25	17	2200	85	双键166*45*25
15万	350	235	900	315	220	250	420	220	250	450	25	17	2000	*	双键315*56*32
20万	360	255	900	320	220	210	446	240	250	450	25	17	1800	*	双键320*56*32
30万	416	295	900	325	220	224	480	250	268	450	25	17	1800	*	双键325*70*36

产品综述 Product Reviews

特性:

抗干扰性强、精度高稳定性好、输出信号数字化功能、体积小、重量轻、易于安装、能源及信号非接触传递功能、传递信号时与是否旋转、转速和转向无关、不需要反复调零即可连续传递正反扭矩信号、没有集流环等磨损件、可高转速长时间运行、外壳与旋转盘之间无轴承、可适应长时间高速运转、可以传递静止/旋转/静态/动态扭矩信号。

Characteristic:

Strong anti-interference, high precision, good stability, small size, light weight, easy installation, non-contact transmission function of energy and signal, independent of rotation speed and steering when transmitting signal, can continuously transmit positive and negative torque signal without repeated zero adjustment, without wearing parts such as collector ring, and can run at high speed for a long time It can be used for long-time high-speed operation and can transmit static / rotating / static / dynamic torque signals.

参数表 Parameters Table

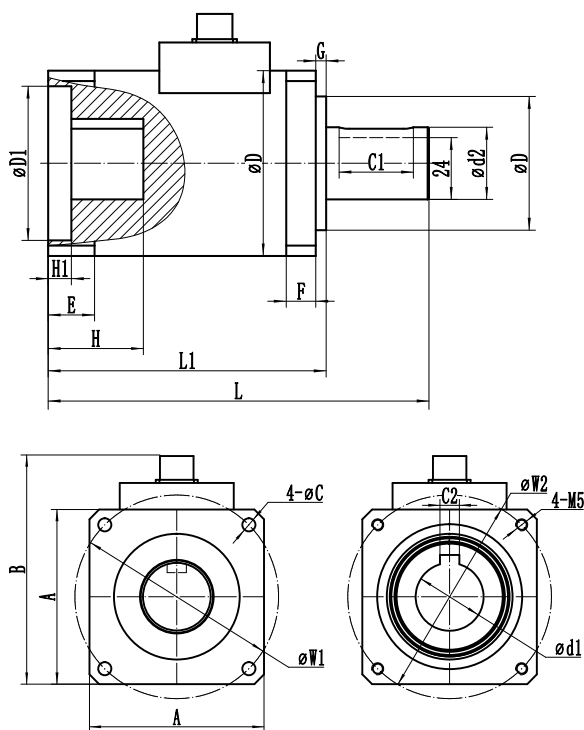
量程 Capacity	±300000N.m
转速量程 Speed Signal	≤15000rpm
转速信号 Speed Capacity	120/60/10脉冲/转、4-20mA 0-20mA、0-5V、0-10V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.2%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.01%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.01%F.S./10°C
响应时间 Response Time	0.6ms(50%反应)
响应频率 Response Frequency	1kHz
采集速度 Acquisition Speed	550/1200次/秒
显示范围 Display Range	-99999-99999
最大扭转角 Maximum torsion angle	2.60x10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10-50°C 0-85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg

DYN-201D 动态扭矩传感器

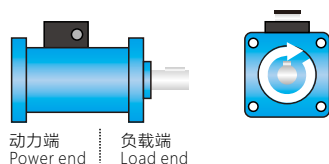
Dynamic torque sensor



外形尺寸 External Dimension



传感器受力图 Force diagram of sensor



产品综述 Product Reviews

特性:

抗干扰性强、精度高稳定性好、输出信号数字化功能、体积小、重量轻、易于安装、能源及信号非接触传递功能、传递信号时与是否旋转、转速和转向无关、不需要反复调零即可连续传递正反扭矩信号、没有集流环等磨损件、可高转速长时间运行、外壳与旋转盘之间无轴承、可适应长时间高速运转、可以传递静止/旋转/静态/动态扭矩信号。

Characteristic:

Strong anti-interference, high precision, good stability, small size, light weight, easy installation, non-contact transmission function of energy and signal, independent of rotation speed and steering when transmitting signal, can continuously transmit positive and negative torque signal without repeated zero adjustment, without wearing parts such as collector ring, and can run at high speed for a long time. It can be used for long-time high-speed operation and can transmit static / rotating / static / dynamic torque signals.

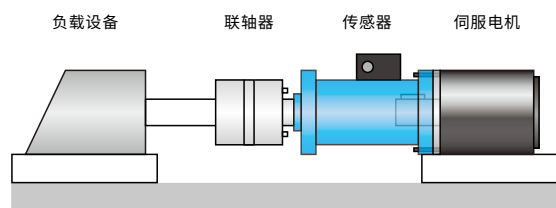
参数表 Parameters Table

量程 Capacity	0-500N.m
转速量程 Speed Signal	0-4000rpm
转速信号 Speed Capacity	脉冲/转、mA、V
供电电源 Power Supply	5-15V
零点输出 Zero Balance	±1%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.2%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应频率 Response frequency	10kHz
材质 Material	合金钢
年稳定性 Stability per year	0.3%/年
阻抗 Impedance	350/750±10Ω
绝缘电阻 Insulation	≥5000MΩ/100VDC
使用电压 Operating Temp Range	5-15V
工作温度范围 Operating Temp Range	-10-60°C
相对湿度 Relative Humidity	0-90%RH
安全过载 Safe Overload	150%
极限过载 Maximum Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg
TEDS可选	可选

量程 N.m	A	B	C	C1	C2	D	D1	d1	d2
0.1-100	62	73	5.5	6*22	5*28	62	50	16	18
200-500	72	94.5	5.5	8*28	8*28	72	60	28	28

E	F	G	H	H1	K	L	L1	M	W1	W2
18	11.5	4	37	9	42	140	108	M5	70	70
18	11.5	4	37	9	52	148	108	M5	84	84

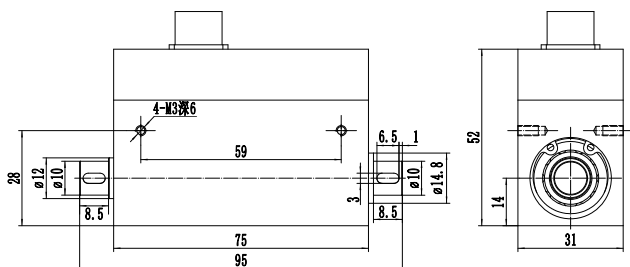
安装示意图 installation diagram



DYN-204 动态扭矩传感器 Dynamic torque sensor



外形尺寸 External Dimension



量程 (N.m) 0.1 0.2 0.3 0.5 1 2 3 5

参数表 Parameters Table

量程 Capacity	0-5N.m
转速范围 Speed range	≤4000rpm
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.1%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.5%F.S.
蠕变(30分钟) Creep(30min)	0.3%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应时间 Response Time	1.0ms(50%反应)
响应频率 Response Frequency	1kHz
采集速度 Acquisition Speed	550/1200次/秒
最大扭转角 Maximum torsion angle	2.60x10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10~50°C 0-85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg

产品综述 Product Reviews

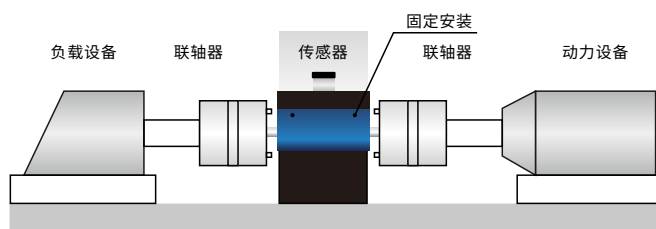
特性:

- 电阻应变为敏感元件和集成电路构成的一体产品。
- 精度高，性能稳定可靠。
- 可高速长时间运转。
- 输出正反扭矩信号。
- 两端均为键连接。
- 最高转速不超过4000转/分钟。

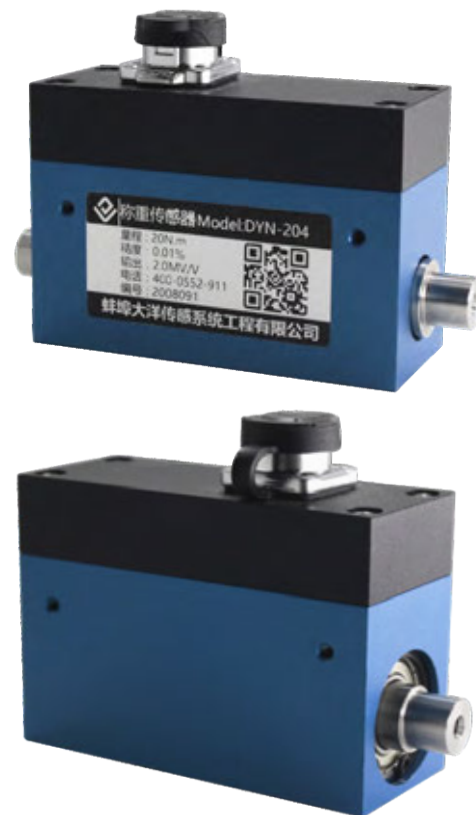
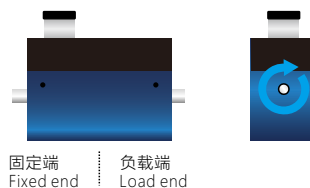
Characteristic:

- Resistance strain is an integrated product composed of sensitive elements and integrated circuits.
- High precision, stable and reliable performance.
- High speed and long time operation
- Output positive and reverse torque signal.
- Both ends are key connected.
- The maximum speed shall not exceed 4000 rpm.

安装示意图 installation diagram

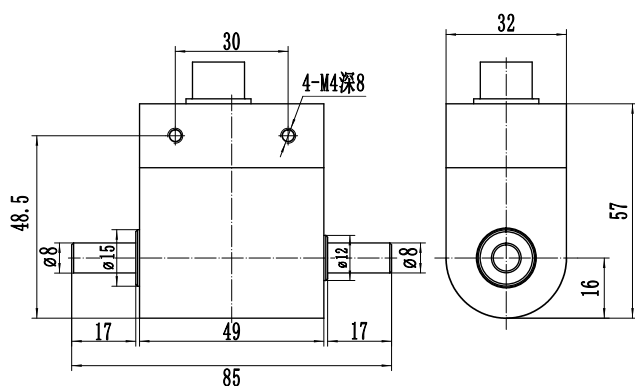


传感器受力图 Force diagram of sensor



DYN-205 动态扭矩传感器
Dynamic torque sensor

外形尺寸 External Dimension



量程 (N.m) 0.1 0.2 0.3 0.5 1 2 3 5

参数表 Parameters Table

量程 Capacity	0-5N.m
转速量程 Speed Signal	≤4000rpm
转速信号 Speed Capacity	60/10脉冲/转、4-20mA 0-20mA、0-5V、0-10V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.1%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.03%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应时间 Response Time	1.0ms(50%反应)
响应频率 Response Frequency	1kHz
采集速度 Acquisition Speed	550/1200次/秒
最大扭转角 Maximum torsion angle	2.60x10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10~50°C 0~85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg

产品综述 Product Reviews

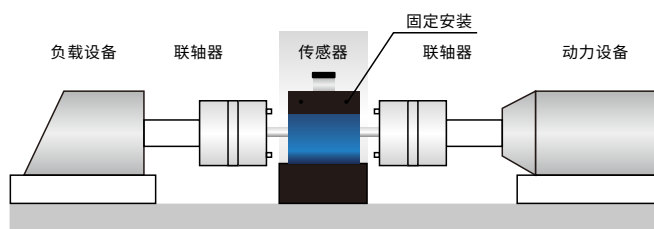
特性:

- 电阻应变为敏感元件和集成电路构成的一体产品。
- 精度高, 性能稳定可靠。
- 可高速长时间运转。
- 输出正反转矩信号。
- 两端均为键连接。
- 最高转速不超过4000转/分钟。

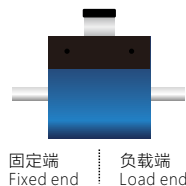
Characteristic:

- Resistance strain is an integrated product composed of sensitive elements and integrated circuits.
- High precision, stable and reliable performance.
- High speed and long time operation
- Output positive and reverse torque signal.
- Both ends are key connected.
- The maximum speed shall not exceed 4000 rpm.

安装示意图 installation diagram



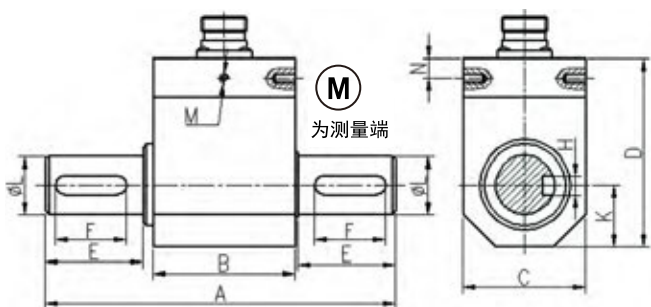
传感器受力图 Force diagram of sensor



DYN-206 动态扭矩传感器 Dynamic torque sensor



外形尺寸 External Dimension



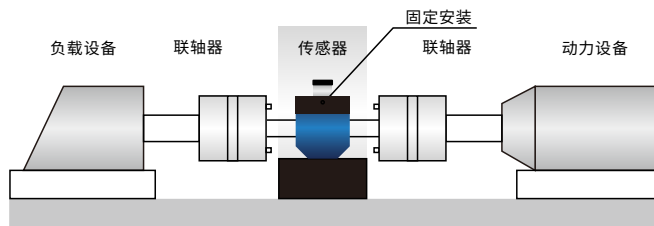
量程(N.m)	A	φL	B	C	D	E	F	G	H	K	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
5/10/20/30/50/100	108	18	44	38	58	30	22	19	6	3-M3	6												
200/300/500	143	28	56	53	73.5	40	30	27	6	2-M3	8												
600/800	188	38	70	78	96	56	40	39	7	5-M8	10												

参数表 Parameters Table

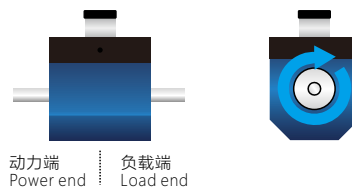
量程 Capacity	0-800N.m
转速量程 Speed Signal	≤4000rpm
转速信号 Speed Capacity	60/10脉冲/转、4-20mA 0-20mA、0-5V、0-10V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.1%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.03%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应时间 Response Time	1.0ms(50%反应)
响应频率 Response Frequency	1kHz
采集速度 Acquisition Speed	550/1200次/秒
最大扭转角 Maximum torsion angle	2.60x10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10~50°C 0-85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg



安装示意图 installation diagram



传感器受力图 Force diagram of sensor



应用领域 Application



1. 检测各种加工中心自动机床工作过程中的扭矩。
2. 电/气动扭矩扳手

1. Inspection of various machining centers During the operation of automatic machine tool Torque.
2. Electric / pneumatic torque wrench.



1. 检测电动机、内燃机等旋转动力设备

1. Testing motor, internal combustion engine and other rotating power equipment.

DYN-207 动态扭矩传感器

Dynamic torque sensor



产品综述 Product Reviews

特性:

抗干扰性强、精度高稳定性好、输出信号数字化功能、体积小、重量轻、易于安装、能源及信号非接触传递功能、传递信号时与是否旋转，转速和转向无关、不需要反复调零即可连续传递正反扭矩信号、没有集流环等磨损件、可高转速长时间运行、外壳与旋转盘之间无轴承、可适应长时间高速运转、可以传递静止/旋转/静态/动态扭矩信号。

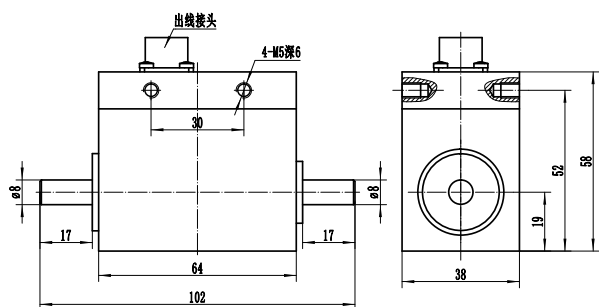
Characteristic:

Strong anti-interference, high precision, good stability, small size, light weight, easy installation, non-contact transmission function of energy and signal, independent of rotation speed and steering when transmitting signal, can continuously transmit positive and negative torque signal without repeated zero adjustment, without wearing parts such as collector ring, and can run at high speed for a long time. It can be used for long-time high-speed operation and can transmit static / rotating / static / dynamic torque signals.

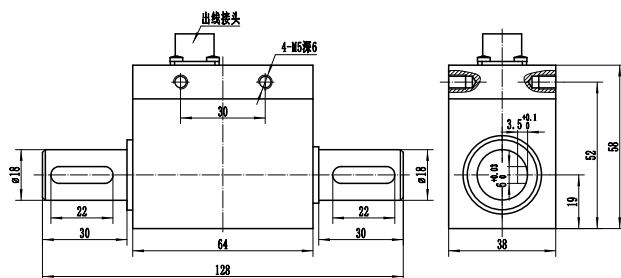
参数表 Parameters Table

量程 Capacity	0-200N.m
转速量程 Speed Signal	≤4000rpm
转速信号 Speed Capacity	60/10脉冲/转、4-20mA 0-20mA、0-5V、0-10V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.5%F.S.
滞后 Hysteresis	0.5%F.S.
重复性 Repeatability	0.2%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应时间 Response Time	1ms(50%反应)
响应频率 Response Frequency	1kHz
采集速度 Acquisition Speed	550/1200次/秒
显示范围 Display Range	-99999-99999
最大扭转角 Maximum torsion angle	2.60x10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10-50°C 0-85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg

外形尺寸 External Dimension

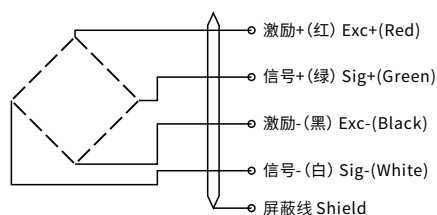


量程(N·m) 0.05 0.1 0.2 0.3 0.5 1 2 3 5

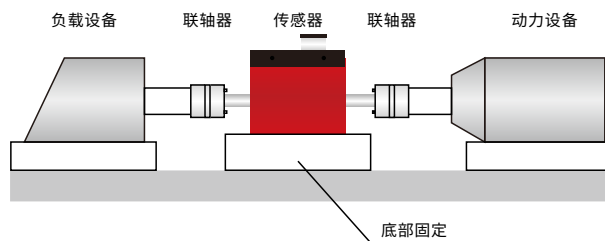


量程(N·m) 10 20 30 50 100 200

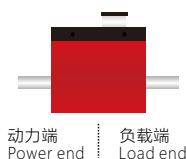
传感器接线示意图 Sensor wiring diagram



安装示意图 installation diagram



传感器受力图 Force diagram of sensor

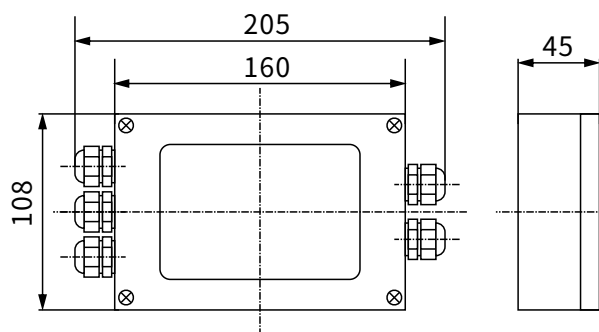


DY-JXH

称重接线盒
Weighing junction box



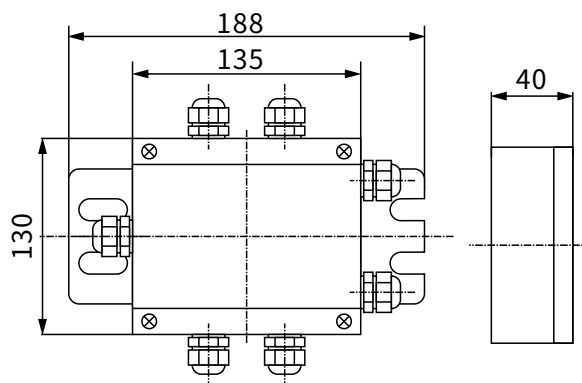
外形尺寸 External Dimension



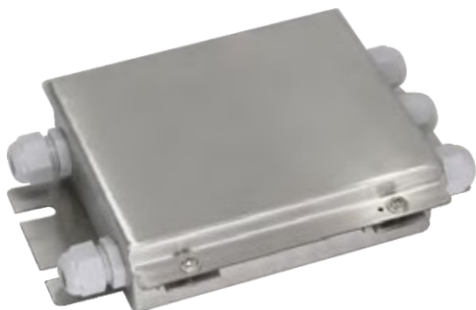
铸铝四合一接线盒



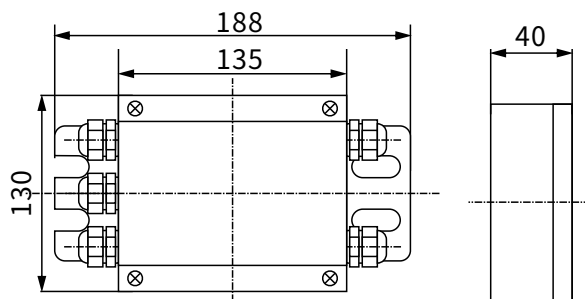
外形尺寸 External Dimension



不锈钢六合一接线盒



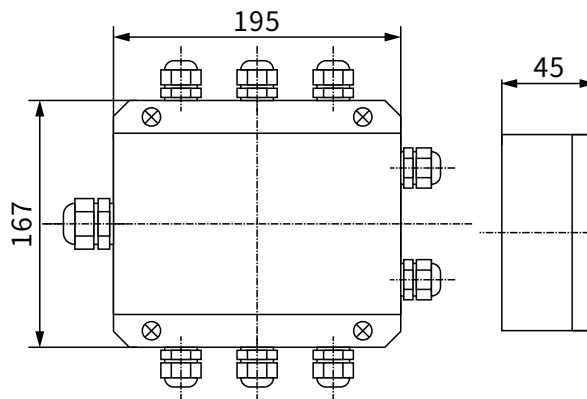
外形尺寸 External Dimension



不锈钢四合一接线盒



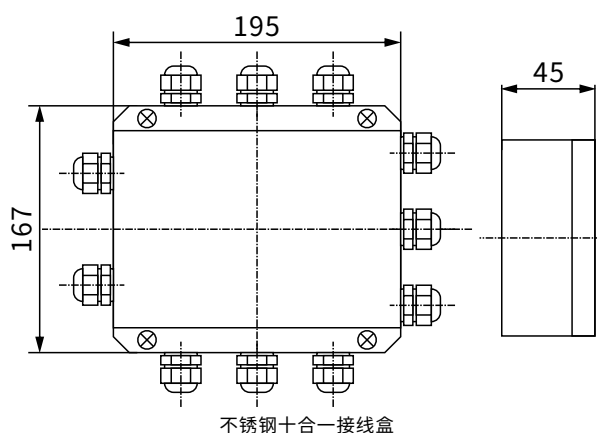
外形尺寸 External Dimension



不锈钢八合一接线盒



外形尺寸 External Dimension



安装示意图 installation diagram



产品综述 Product Reviews

特性:

多路接线盒, 采用铝合金外壳, 抗干扰性好, 盖板防水橡胶垫圈, 防水防尘; 装配、调试简单方便, 可靠性高; 同时灵敏度匹配调节方式, 各路输出可平衡调节, 防止浪涌信号对传感器的破坏。

Characteristic:

The multi-channel junction box adopts aluminum alloy shell, with good anti-interference performance. The cover plate is waterproof and dust-proof. The assembly and debugging are simple and convenient, and the reliability is high. At the same time, the sensitivity matching adjustment mode enables the output of each channel to be adjusted in balance to prevent the damage of surge signal to the sensor.



应用领域 Application



1. 用于配料罐、反应釜、料仓、搅拌站
2. 多个传感器合力

1. It is used for batching tank, reactor, silo and mixing station
2. Combined force of multiple sensors



1. 可以广泛应用于油田、化工、汽车、起重机械、建设、建材、机械加工、热电、军工、交通等领域
1. It can be widely used in oilfield, chemical industry, automobile, lifting machinery, construction, building materials, mechanical processing, thermal power, military industry, transportation and other fields

DYTX-101 称重变送器

Weighing transducer



通讯参数 Communication parameters

通信方式:	RS485
通信协议:	MODBUS RTU
通信参数:	9600,8,N,1
电气隔离:	1000VDC
支持波特率:	2400、4800、9600、19200、38400

测试软件 Testing software



参数表 Parameters Table

供电电源 Power supply:	直流9~28VDC
功耗 power waste:	< 1W
工作电流 Working current:	根据外接传感器数量和供电电压而异
适用环境 Applicable environment:	温度:-40~85 C, 湿度:10%~95%(无凝露)
防护等级 Protection level:	IP65
安装方式 Installation method:	安装孔固定
重量 Weight:	≈0.25kg
适用的传感器类型 Applicable sensor type:	适用于所有电阻应变式测力与称重传感器
传感器激励电压 Excitation voltage of sensor:	5V DC+3%, 最大电流100mA
输入信号范围 Input signal range:	+11 mV
温度系数 Temperature coefficient:	≤(读数的0.001%+0.3d) / C
非线性误差 Nonlinear error:	≤0.003%F.S.
内部分辨率 Internal resolution:	1/16777215
稳定显示分辨率 Stable display resolution:	1/10000
采样速率 Sampling rate:	12次/50次可配置
采样方式 Sampling mode:	Sigma Delta

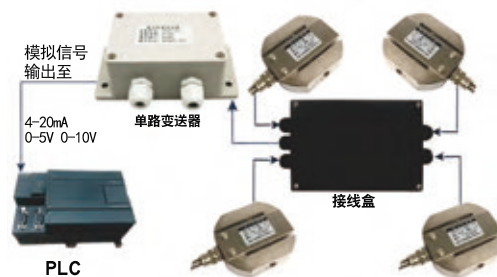
产品综述 Product Reviews

特性:

外接式数字称重变送器, 将称重传感器的微电压信号(mV)进行AD放大转换成具有标准通讯协议的485数字信号。该变送器具有功耗低、分辨率高、精度高、低温飘等特点。

Characteristic:

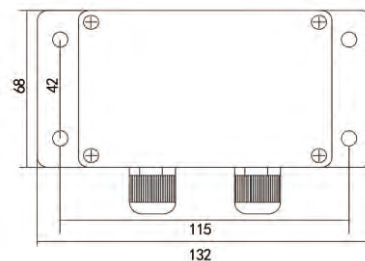
The external digital weighing transmitter converts the micro voltage signal (MV) of the weighing sensor into 485 digital signal with standard communication protocol by ad ampliPcation. The transmitter has the characteristics of low power consumption, high resolution, high precision and low temperature drift.



单路变送器连多个传感器示意图



单路变送器推荐连接示意图



外形尺寸 External Dimension

BSQ-001 称重变送器 Weighing transducer



连接示意图 Connection diagram



产品综述 Product Reviews

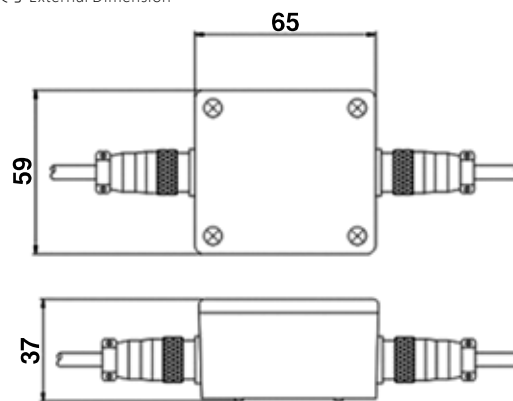
特性:

外接式变送器, 采用铝合金外壳, 将称重传感器的微电压信号 (mV) 进行精密放大, 线路内部整齐, 恒流供桥、电压电流转换, 阻抗适配, 线性补偿, 温度补偿等, 将力学量转换成标准电流、电压信号输出, 4~20mA、0~10mA、-5V~0~5V、1~5V、-10~0~10V 直接与自动控制设备接口或计算机联网, 变送器具备调零, 调增益功能。

Characteristic:

The external transmitter adopts aluminum alloy shell, which can precisely amplify the micro voltage signal (mV) of the weighing sensor. The circuit is neat, constant current bridge supply, voltage and current conversion, impedance adaptation, linear compensation, temperature compensation, etc. the mechanical quantity is converted into standard current and voltage signal output. 4 ~ 20mA, 0 ~ 10mA, - 5V ~ 0 ~ 5V, 1 ~ 5V, - 10 ~ 0-10V are directly connected with automatic control equipment. The transmitter has the function of zero adjustment and gain adjustment.

外形尺寸 External Dimension



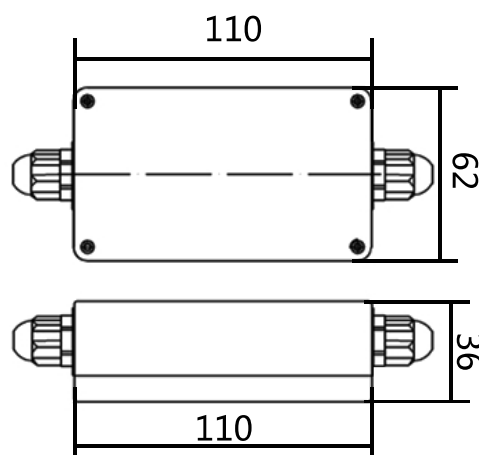
BSQ-002 称重变送器 Weighing transducer



连接示意图 Connection diagram



外形尺寸 External Dimension



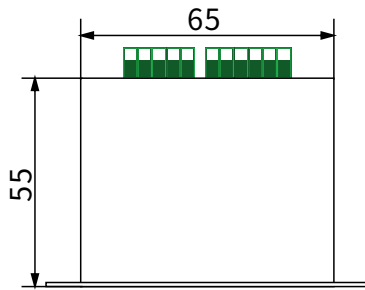
参数表 Parameters Table

参数	单位	技术参数
额定输入	mV	0~20
额定输出	V	-10~0~5/0~10
	mA	0~20/4~20
非线性	%F.S.	±0.1
供电电压	VDC	15~24
防护等级	IP65-67	航空插头IP65 防水接头IP67(可选)

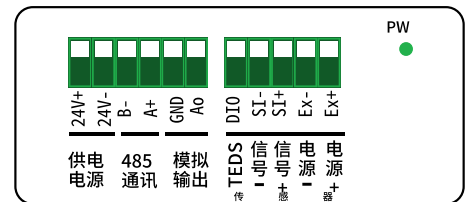
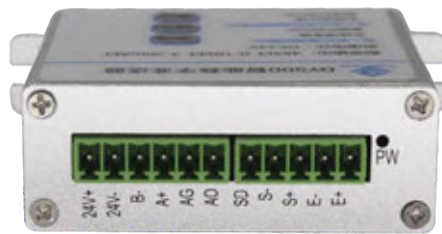
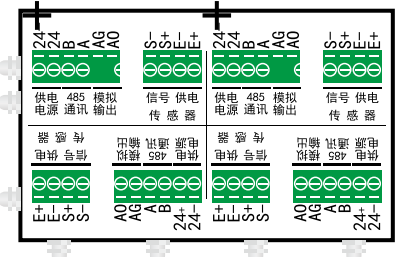
DY500 称重变送器 Weighing transducer



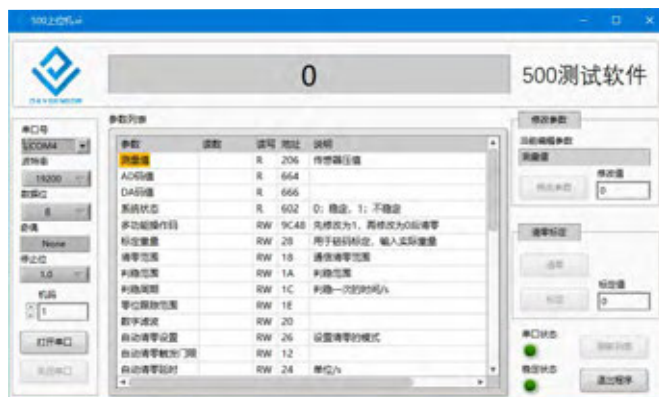
外形尺寸 External Dimension



四进四出



测试软件 Testing software



产品综述 Product Reviews

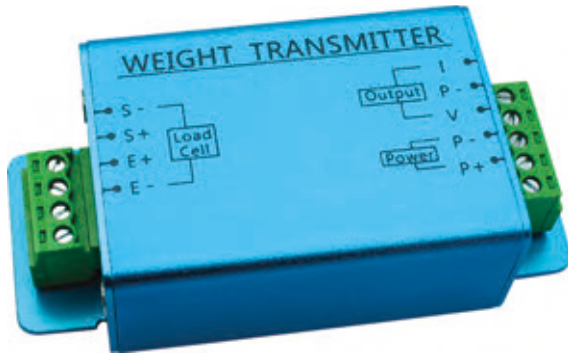
特性:

1. 变送器供电电压为直流12-26V 功耗<3W。
2. 数据采集精度12-16位 (与采样速度有关)。
3. 通讯采样RS485-ModbusRTU协议, 通讯速率1200-115200bps (默认19200/ 8位数据位/无校验/1位停止位); 通过上位机可以读取实时测量值, 实现清零、标定、参数修改等操作。
4. 变送输出0-10V或者4-20mA。
5. 通讯和变送两路可同时精准输出。
6. 一键清零与自动清零功能。
7. 综合精度误差0.1%。
8. 外接智能传感器, 供电电压5V, 具有上电自动校准功能, 配合本公司带有TEDS功能的传感器可以实现自动校准。

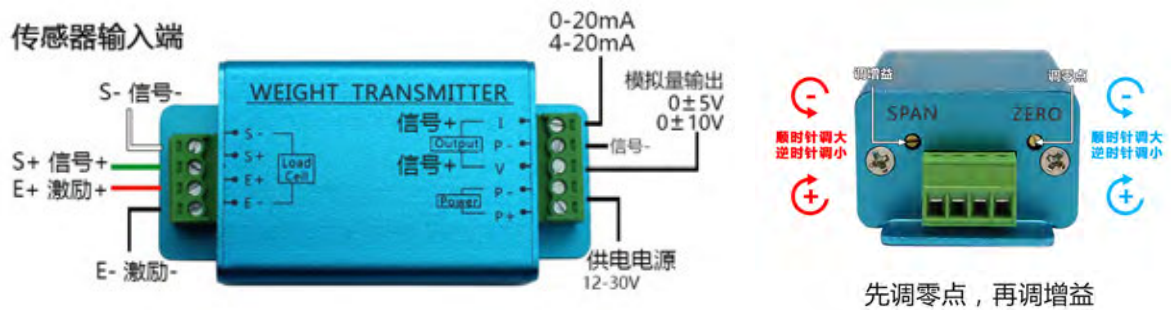
Characteristic:

1. The power supply voltage of 1 transmitter is DC 12-26v, and the power consumption is less than 3W.
2. Data acquisition accuracy is 12-16 bits (related to sampling speed).
3. communication sampling RS485 Modbus RTU protocol, the communication rate is 1200-115200bps (the default is 19200 / 8-bit data bit / no check / 1-bit stop bit); the real-time measurement value can be read through the upper computer, and the operations such as clearing, calibration and parameter modification can be realized.
4. transmission output 0-10V or 4-20mA.
5. communication and transmission can be accurately output at the same time.
6. one key reset and automatic reset function.
7. The comprehensive accuracy error is 0.1%.
8. external intelligent sensor, power supply voltage 5V, with power on automatic calibration function, with the company with TEDS function sensor can achieve automatic calibration.

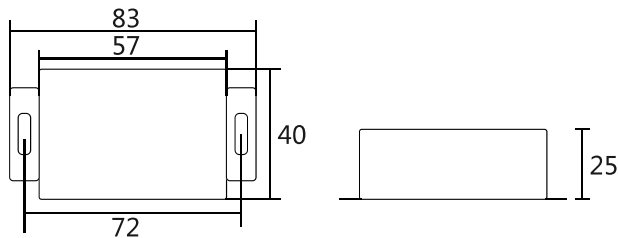
DY510 称重变送器 Weighing transducer



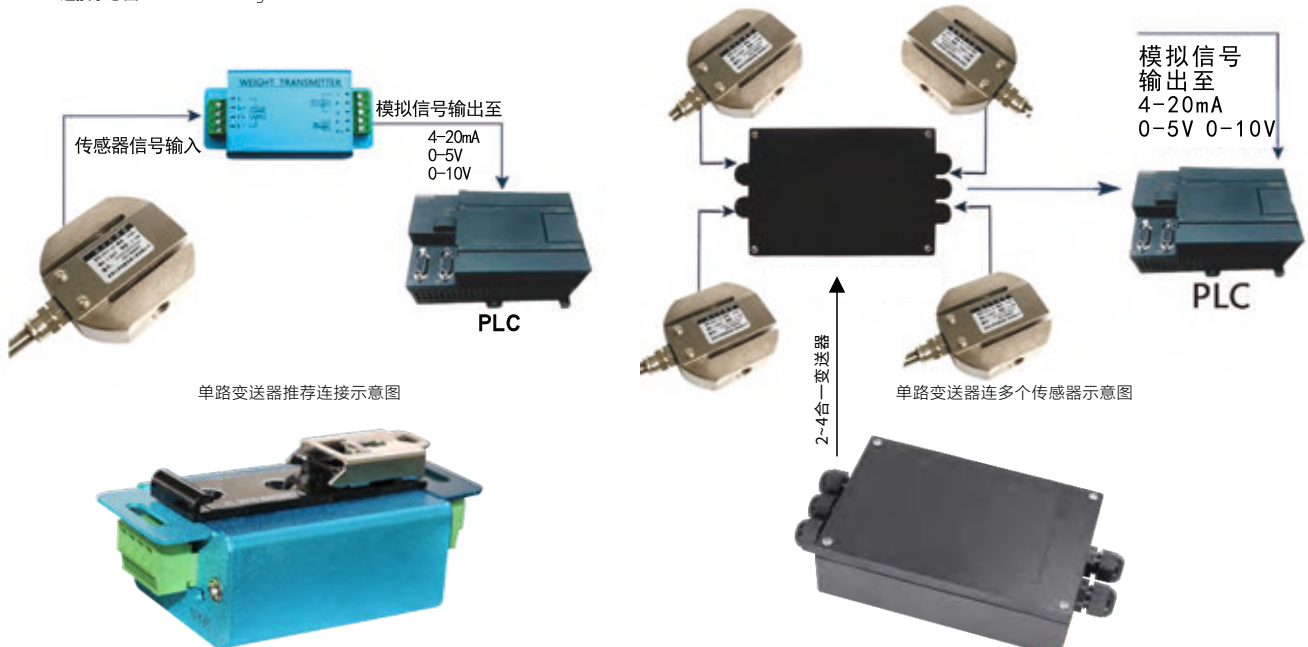
连接示意图 Connection diagram



外形尺寸 External Dimension



连接示意图 Connection diagram



产品综述 Product Reviews

特性:

510变送器采用铝型材外壳，内部采用原装进口高性能器件将传感器输出信号进行精密放大，内部进行稳压、恒流供桥、电压电流转换、阻抗适配、线性补偿、湿度补偿等。将力学、量转换成标准电流、电压信号输出，可切换 $0 \pm 5V / 0 \pm 10V / 4-20mA / 0-20mA$ 。可直接与自动控制设备PLC单片机上位机终端等接口或者计算机联网。具备标准信号 外调零、外调增益功能，输入过保护，输出短路保护等特点。

Characteristic:

The 510 transmitter is made of aluminum profile, and the internal part is made of imported high-performance devices. The output signal of the sensor is precisely amplified. The internal voltage stabilization, constant current bridge supply, voltage and current conversion, impedance adaptation, linear compensation, humidity compensation, etc. The mechanical and quantitative signals can be converted into standard current and voltage signal output, which can be switched to $0 \pm 5V / 0 \pm 10V / 4-20mA / 0-20mA$. It can be directly connected with automatic control equipment PLC single chip computer terminal or computer networking. It has the functions of standard signal external zero adjustment, external gain adjustment, input over protection and output short circuit protection.

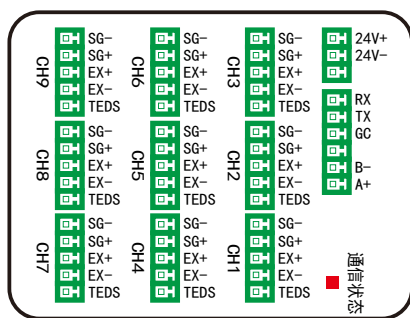
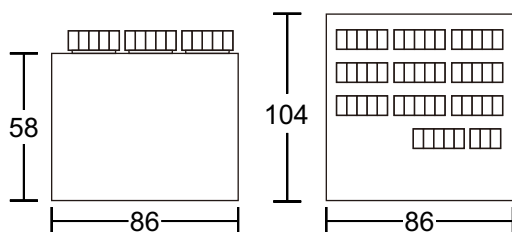
参数表 Parameters Table

参数	技术参数
供电电压	12-30VDC
采样频率	$\geq 100KHz$
输入信号	0.5-4mV/V
综合精度	0.05%
工作温度	$-30^{\circ}C-80^{\circ}C$
输出信号	$0 \pm 5V / 0 \pm 10V$ $0-20mA / 4-20mA$

DY094 称重变送器 Weighing transducer



外形尺寸 External Dimension



测试软件 Testing software



产品综述 Product Reviews

特性:

1. DY094直流电压24V, 功率小于3W。
2. 多通道输入, 可同时九路采集。
3. 带有两路通信RS485及RS232
4. 可借助串口读取采集值、实现标定、清除采集值。
5. 自校准功能, 使用本公司自带的TEDS传感器时免除校准操作。

Characteristic:

1. Dy094 has a DC voltage of 24 V and a power of less than 3 W.
2. Multi channel input, nine channel acquisition at the same time.
3. With two-way communication RS485 and Rs232
4. The acquisition value can be read, calibrated and cleared with the help of serial port.
5. Self calibration function, when using TEDS sensor of our company, it is free from calibration operation.



数字校准



滤波及判稳



TEDS功能



RS232/485



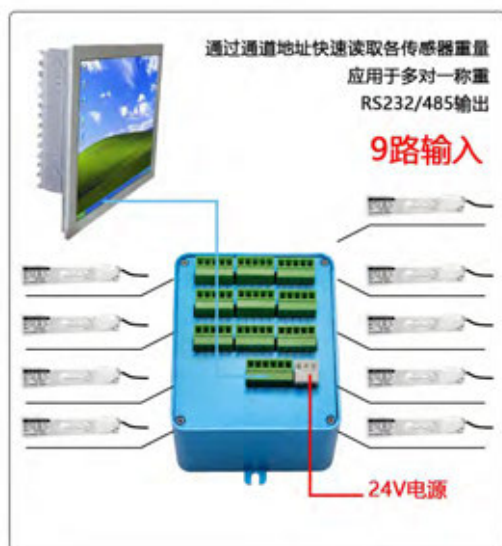
上电清零



零位跟踪



恢复出厂



DY220 显示控制仪表 Display control instrument



产品综述 Product Reviews

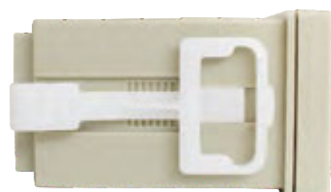
特性:

1. 采集速度最高80次/s。
2. 具备开关量输入输出。
3. 可设置OC输出, 变送输出。
4. 支持Modbus-RTU协议485通讯。
5. 可设置: 定量启动控制、简单比较输出、开入启动工作、峰值保持工作模式、上/下限报警输出、分选模式。

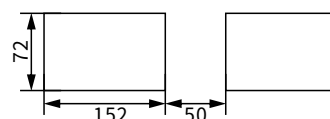
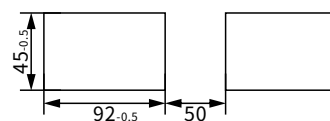
Characteristic:

1. The highest acquisition speed is 80 times / s.
2. Switch input and output.
3. OC output, output.
4. Support Modbus RTU protocol 485 communication.
5. It can be set: quantitative start-up control, simple comparison output, input start-up work, peak holding mode, upper / lower limit alarm output, sorting mode.

DY220B 称重变送器 Weighing transducer



外形尺寸 External Dimension



连接示意图 Connection diagram



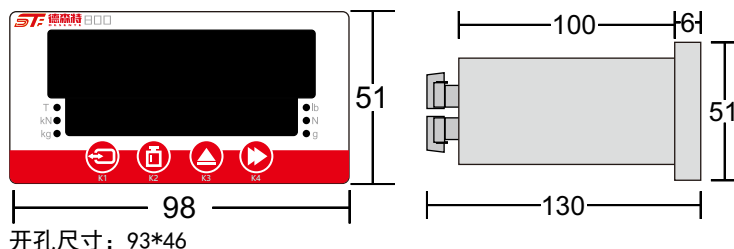
参数表 Parameters Table

输入信号	0-2.5mV/V供桥电压5V/ 100mA
测量精度	0.05%
采样速度	10次或80次/秒可设;
显示方式	单排红色LED显示。主显示窗显示范围:-9999 29500
开关量输入	1路开入,短接有效(选配)
开关量输出	可选4路继电器或OC输出,继电器触点AC 250V/1A, OC输出驱动100mA/ 48V
变送	输出4-20mA、0-20mA, 0-5V, 0-10V, 12bit精度, 驱动负载≤500欧。
通讯	485通讯口可执行ModbusRTU协议或主动上传协议(变送通信只能二选-)
使用环境	环境温度:-20~50℃;相对湿度:≤85%RH;避免强腐蚀性气体。
工作电源	AC 100~ 240V, 50~60Hz;功耗≤5W
结构	盘装/柜装, 优质塑料外壳 220外形尺寸96X48深84mm, 开孔尺寸: 92X45mm 220B外形尺寸: 160*80*125mm开孔尺寸: 152*72

DY800 显示控制仪表 Display control instrument



外形尺寸 External Dimension



开孔尺寸: 93*46

参数表 Parameters Table

供电电压:	5V
测量精度:	优于0.1%
测量速度:	5-200Hz, 温漂小于10ppm
显示分度:	-99999~99999
变送输出:	0~10V或4~20mA
通信速率:	2400~115200
开关量输出:	6路继电器
开关量输入:	2路开入
节点驱动能力:	3A/250VAC或30VDC(阻性负载)
供电电压:	10-30V DC
工作环境:	-20~70℃, 相对湿度<90%(不结露)

产品综述 Product Reviews

特性:

采用比例测量方式, 测量信号的快速采集、滤波、标度变换、非线性修正及显示。上下限比较功能, 峰值捕捉功能。具有上电清零、手动清零(按键、通信)、自动归零。具有零位跟踪和蠕变跟踪功能。传感器超限记录。可选隔离型 RS485 通信, 支持 Modbus-RTU 协议和主动发送协议。可选隔离型变送输出。支持电压输出 0-10V, 和 4-20mA 电流输出。双排显示。6 位主显示和 8 位辅助显示, 6 位 LED 显示单位。电容触摸按键, 带按键锁功能。

Characteristic:

The proportional measurement method is used to quickly collect, filter, scale transform, nonlinear correction and display of the measured signal. Upper and lower limit comparison function, peak valley value capture function. It has power on reset, manual reset (key, communication), automatic reset. It has zero tracking and creep tracking functions. Sensor overrun record. Isolated RS485 communication is optional, and Modbus RTU protocol and active transmission protocol are supported. Optional isolated transmission output. Support voltage output 0-10V, and 4-20mA current output. Double row display. 6-bit main display and 8-bit auxiliary display, 6-bit LED display unit. Capacitive touch button with key lock function.



快速采集



滤波



非线性修正



标度变换



上电清零



自动归零



手动清零(按键/通信)



蠕变跟踪



传感器超限记录



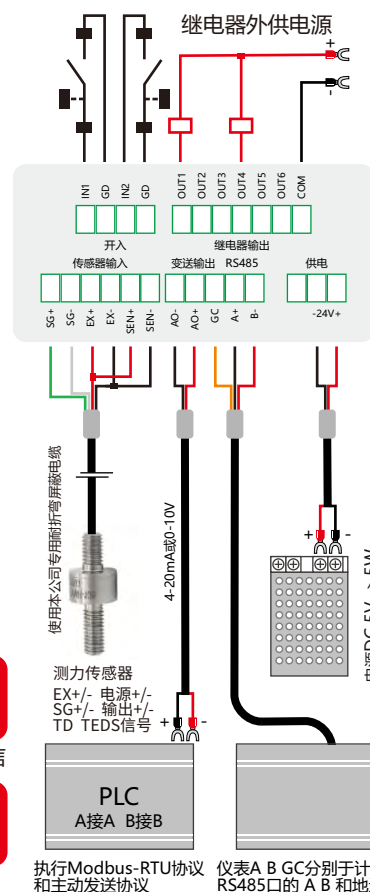
开入加料



开入卸料



触摸按键带按键锁



选配

RS485通信
modbus-RTU协议
主动发送ASCII码协议

隔离型RS485通信

变送输出

0~10V电压输出
4~20mA电流输出

隔离型变送输出

测力传感器
EX+/- 电源+/-
SG+/- 输出+/-
TD TEDS信号

PLC
A接A B接B

执行Modbus-RTU协议
和主动发送协议

仪表A B GC分别于计算机
RS485口的 A B 和地连接

DYHB 显示控制仪表 Display control instrument



参数表 Parameters Table

基本规格

项目	规格
电源电压	AC 电源 100~240 V AC 50/60 Hz
消耗功率	AC 电源 10W 以下
允许电压变动范围	电源电压的 90%~110%
绝缘电阻	$\geq 100\text{ M}\Omega$ (500V DC MEGA 基准)
绝缘强度	2000V AC (测试条件: 50/60Hz, 1 分钟)
抗干扰	IEC61000-4-2 (静电放电), III 级 IEC61000-4-4 (电快速瞬变脉冲群), III 级 IEC61000-4-5 (浪涌), III 级
防护等级	160×84 尺寸仪表: IP65 (产品前面板防护) (GB/T42-2008)
运行环境	环境温度 -10~55℃ (保存: -25~65℃)
	环境湿度 35~85%RH, 无凝露
	安装位置 室内, 高度<2000m

输入规格

项目	规格
传感器电源	DC 10V $\pm 2\%$, 200mA (MAX)
输入阻抗	$>10\text{ M}\Omega$
零点调整范围	-10~19 mV
增益输入范围	2~24 mV
转换方式	Sigma-Delta
测控速度	10 次/秒 或 80 次/秒 (通过参数设置)
非线性	0.01 %F.S
增益漂移	$< 10\text{ ppm}/^\circ\text{C}$
最高显示精度	1 / 100000
输入信号	比例测量, 配接 4 线制应变传感器
接点输入	1 点外部开关量输入, 可用于清零、去皮、允许比较输出等

选配规格

项目	规格
比较输出	R2 96×49.5 尺寸的仪表, 选装 2 点继电器输出, 250V AC/3A
	R4 / R8 160×84 尺寸的仪表, 选装 4/8 点继电器输出, 阻性负载
模拟量输出	A1 电流输出 (4~20)mA、(0~10)mA、(0~20)mA 光电隔离, 分辨率: 1/3000,
	A2 电压输出 (1~5)V、(0~5)V 负载能力: 600 Ω
通讯接口	S1 RS232 接口, TC ASCII 协议
	S2 RS485 接口, TC ASCII 协议
	M1 RS232 接口, Modbus-RTU 协议
	M2 RS485 接口, Modbus-RTU 协议
电源规格	V0 100~240V AC (50/60Hz)

★ 输出规格依据需要确定, 由型号的第 4 部分表示。

产品综述 Product Reviews

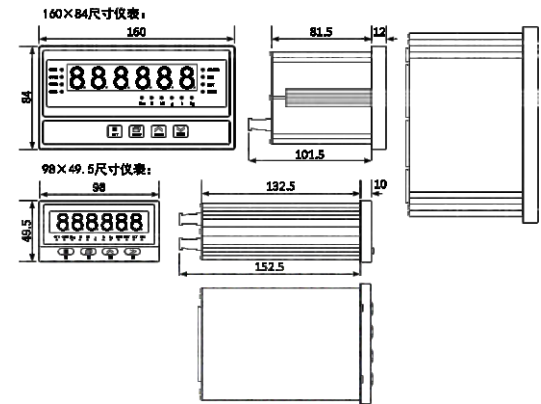
特性:

1. 采集速度最高 80 次/s。
2. 具备开关量输入输出。
3. 可设置 OC 输出, 变送输出。
4. 支持 Modbus-RTU 协议 485 通讯。
5. 可设置: 定量启动控制、简单比较输出、开启动工作、峰值保持工作模式、上/下限报警输出、分选模式。

Characteristic:

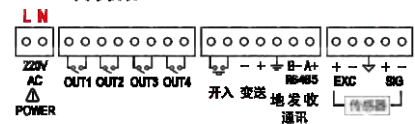
1. The highest acquisition speed is 80 times / s.
2. Switch input and output.
- OC output, output.
4. Support Modbus RTU protocol 485 communication.
5. It can be set: quantitative start-up control, simple comparison output, input start-up work, peak holding mode, upper / lower limit alarm output, sorting mode.

外形尺寸 External Dimension

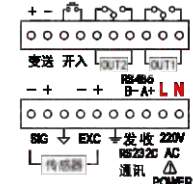


连接示意图 Connection diagram

160×84尺寸仪表:



96×49.5尺寸仪表:



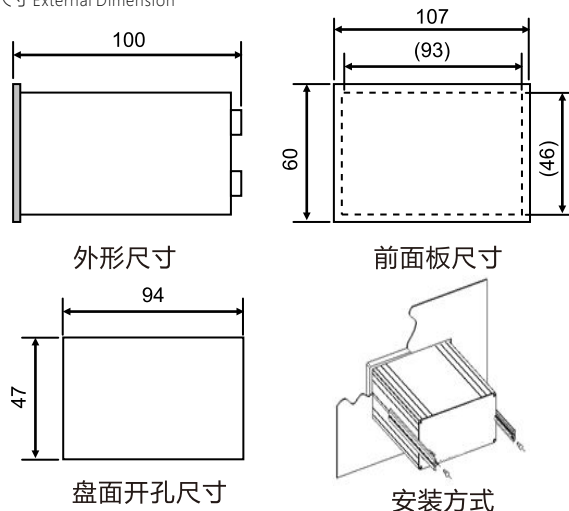
DY310 显示控制仪表 Display control instrument



参数表 Parameters Table

重量显示范围	-9,999~+99,999
最大秤量	可设定 1~99,999
显示分度	可选 1, 2, 5, 10, 20, 50, 100, 200, 500
显示分辨率	1/50,000
小数点	可选 0, 0.0, 0.00, 0.000, 0.0000
显示刷新时间	可设定 0.01~1.00s
激励电压/最大电流 1	DC5V/120mA, 可连接 8 个 350Ω 的称重传感器
激励电压/最大电流 2	DC12V/200mA
内部分辨率	1/1,000,000
采样频率	1280Hz
零位漂移	±0.1μV/°C RTI (折合到输入端)
增益漂移	±5ppm/°C
非线性度	0.005%FS
继电器开关触点容量	AC250V/DC24V, 1A
COM1	可选配 RS232
COM2	可选配 RS485
可连接	上位机 IPC/PLC 与 LED 远程显示器
工作电压	DC24V±20%
最大功耗	5W
工作温度	-25°C~+40°C
储存温度	-30°C~+60°C
相对湿度	不大于 85%RH

外形尺寸 External Dimension



产品综述 Product Reviews

特性:

- 4种定值输出模式: 重量[力值]上下限 DO 报警模式、重量[力值]增量 DO 输出模式、重量[力值]减量 DO 输出模式、重量[力值]区间 DO 输出模式。
- 整机 EMC 设计, 抗干扰能力强, 适用于工业环境。
- 32 位 ARM CPU, 48MHz 主频, 运算速度快。
- 5 位红色 LED 数码管, 英文字符/数字显示。
- 采用 24 位高精度高速 $\Sigma - \Delta$ A/D 转换模块, 内部分辨率 1/1,000,000, 采样频率 1280Hz。
- 采用独特的抗振滤波算法, 以确保在秤体振动较强时称量结果的稳定性与准确度, 以及在重量变化时的快速反应能力。
- 可选用数字校准、分段修正与分段计算功能。
- 具有自动加密、按键加密、按键解密、数字设定、数字调校与接口测试功能。
- 2 路继电器开关 (含常开与常闭触点) 输出上下限报警信号。
- 1路可选配可定义的模拟量信号输出 AO: 0~20mA。
- 可选配 RS232 与 RS485 通信口外接上位机 IPC/PLC 与 LED 远程显示器。
- 采用多任务工作模式, 在进行参数设定等操作时, 不影响称重、报警输出与信号变送过程。

Characteristic:

- Four fixed value output modes: Weight [force value] upper and lower limit do alarm mode, weight [force value] increment do output mode, weight [force value] decrement do output mode and weight [force value] interval do output mode.
- EMC design of the whole machine, strong anti-interference ability, suitable for industrial environment.
- 32 bit arm CPU, 48mhz main frequency, fast operation speed.
- 5-digit red LED nixie tube, English character / digit display.
- 24 bit high-precision high-speed $\Sigma - \Delta$ A / D conversion module is adopted, the internal resolution is 1 / 1000000, and the sampling frequency is 1280hz.
- The unique anti vibration filtering algorithm is adopted to ensure the stability and accuracy of weighing results when the vibration of the scale is strong, and the rapid response ability when the weight changes.
- Digital calibration, subsection correction and subsection calculation can be selected.
- It has the functions of automatic encryption, key encryption, key decryption, digital setting, digital adjustment and interface test.
- 2 relay switches (including normally open and normally closed contacts) output upper / lower limit alarm signals.
- 1 optional and deenable analog signal output [Ao: 0 ~ 20mA].
- RS232 and RS485 communication ports can be selected to connect IPC / PLC and led remote display.
- The multi task mode is adopted, and the process of weighing, alarm output and signal transmission will not be affected during parameter setting and other operations.



多任务工作模式



峰值判断



滤波及判稳



显示保持



上下限报警



RS232/485



上电清零



零位跟踪/微调/校准



电流电压输出



加载校准

DY310T 显示控制仪表 Display control instrument

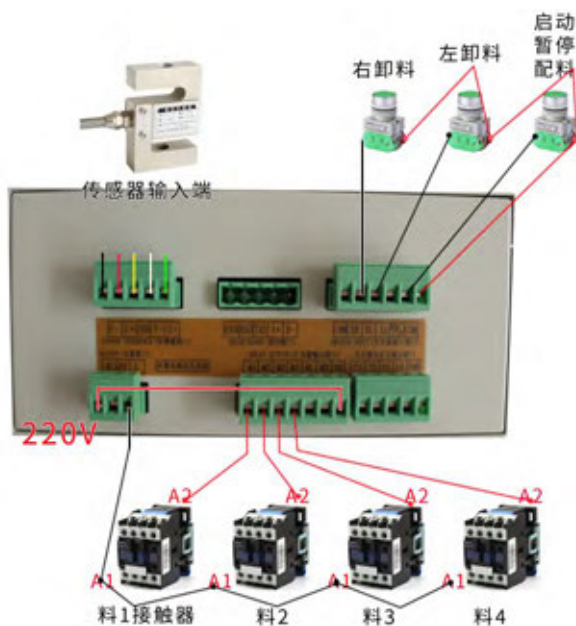


- 用途: X/Y/Z三通道实时力值与实时合力显示,三通道力值峰值与合力峰值显示,实时合力或合力峰值上/下限DO报警, RS232/RS485数字变送。
- 可选用的合力[F]算法: 3D算法 $F^2 = X^2 + Y^2 + Z^2$; 与CUSUM累加和算法 $F = X + Y + Z$ 。
- 通过设定相关参数,可打开与关闭X/Y/Z采样通道,以实现单通道测力/两通道测力/三通道测力。
- DO输出信号用于“实时合力报警”或“合力峰值报警”。

DY300 显示控制仪表 Display control instrument



连接示意图 Connection diagram



参数表 Parameters Table

电源	交流220V±10%或380V±10%, 50Hz±2%
功耗	9W
工作环境温度	0-50℃
工作环境湿度	≤90%RH(无凝露)
桥源	5V±5% 最大负载能力150mA
信号范围	0-10mV
显示量程	最大20000
外接电源	380V以下任意交直流电压
触点容量	≤3A

产品综述 Product Reviews

特性:

1. 延迟上料、卸料、启动
2. 可设置罐数0-99罐
3. 上电清零、首次去皮、自动去皮
4. 可设置启动生产条件 ("0" 表示除了配料、物料参数设置、功能设置、调校之外的任何时间可以启动; 1 表示净重在归零范围之内可以启动; 2 表示毛重在归零范围之内可以启动; 3 表示毛重在归零范围之内且无生产可以启动")
5. 快慢速配料上料卸料的落差自动补偿
6. 自动进行温度补偿

Characteristic:

1. Delay loading, unloading and starting
2. 0-99 tanks can be set
3. Power on clearing, Prst peeling and automatic peeling
4. The start-up conditions can be set ("0" means that it can be started at any time except for batching, material parameter setting, function setting and adjustment; 1 means that the net weight can be started within the range of returning to zero; 2 means that the gross weight can be started within the range of returning to zero; 3 means that the gross weight can be started within the range of returning to zero and no production can be started")
5. Automatic compensation for drop of fast and slow batching loading and unloading
6. Automatic temperature compensation



延迟上料/卸料



延迟启动



数字滤波



RS232/485



零位跟踪



温度补偿



上电清零



罐数控制

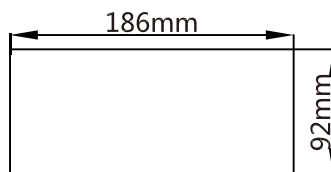


快速配料

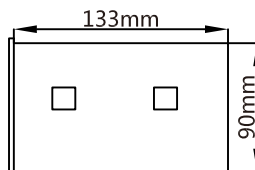


自动去皮

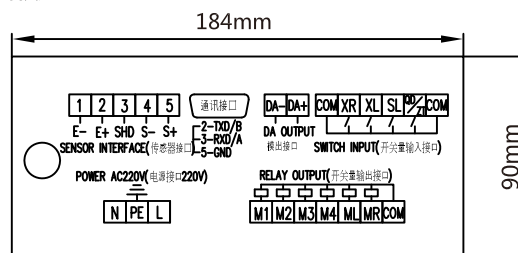
外形尺寸 External Dimension



开孔尺寸



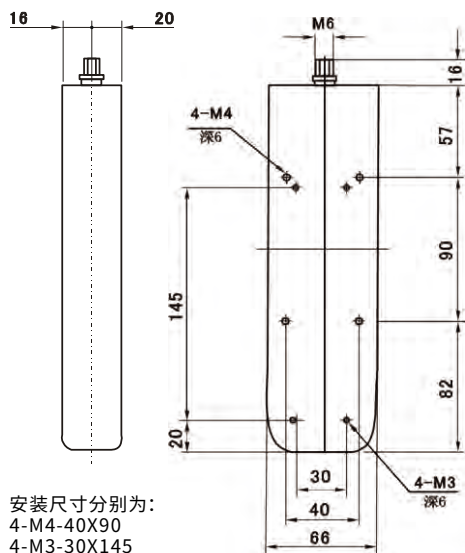
侧面尺寸



后面板尺寸



外形尺寸 External Dimension



参数表 Parameters Table

示值误差	±0.5%
单位	N kg lb
输出接口	Rs232 九孔插座
电源	充电电池 充电器 (充电电压100V~240V)
工作温度	5°C~35°C
运输温度	-10°C~60°C
相对湿度	15%~80%RH
工作环境	周围无震源及腐蚀性介质
净重	~450g
外形尺寸	230×66×36 mm

产品综述 Product Reviews

特性:

推拉计具有高精度、易操作、携带方便等优点。更具有各种测试模式，方便测试者使用，且可将测试数据储存并输入到电脑作统计分析。与各种试验台及夹具组合可构成不同用途的试验机。用户还可自行输入使用地的重力加速度值，使测试更为精确。

Characteristic:

The push pull gauge has the advantages of high precision, easy operation and easy to carry. It also has various test modes, which are convenient for testers to use, and can store and input the test data into the computer for statistical analysis. It can be combined with various test-bed and fixture to form a testing machine for different purposes. Users can also input the gravity acceleration value of the place where they are used to make the test more accurate.



峰值判断



存储



重力加速度



RS232



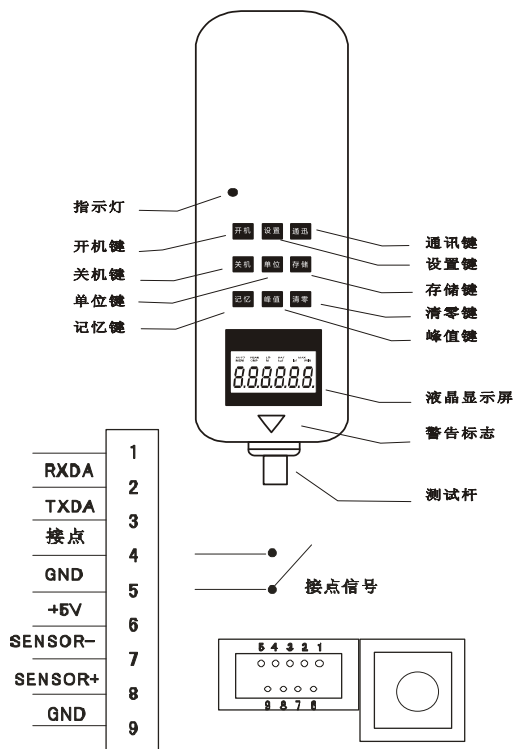
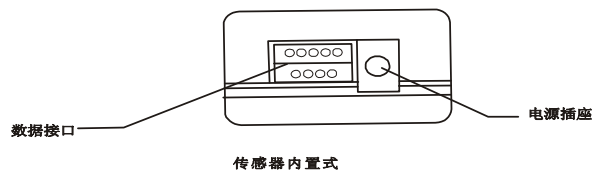
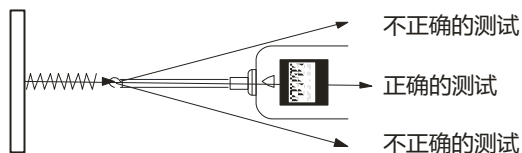
置零



记忆



打印



DY091 显示控制仪表 Display control instrument



产品综述 Product Reviews

特性:

1. 最高测控速度1920次/秒。运算、报警、峰值、捕捉等功能与测控同步进行
2. 实时捕捉功能,适合于拉伸试验、高速冲压、回弹仪、自由落体冲击等快速测试应用
3. 实时捕捉数据缓冲区19200点,可回放或高速传输
4. 历史捕捉数据共6144点,可记录、回放或高速传输
5. 3.2寸真彩色液晶显示,分辨率320x240。波形、数字多种显示方式
6. 内置大容量锂电池,可选配外部电源适配器。
7. 通讯可设定仪表关机或待机模式。
8. 可手持使用或固定安装使用。画面可旋转180°显示。

Characteristic:

1. The maximum measurement and control speed is 1920 times / s. Operation, alarm, peak valley value, capture and other functions are synchronized with the measurement and control
2. Real time capture function, suitable for tensile test, high-speed stamping, springback tester, free falling impact and other rapid testing applications
3. Capture 19200 points of data buffer in real time, which can be played back or transmitted at high speed
4. A total of 6144 points of historical data can be recorded, played back or transmitted at high speed
5. 3.2-inch true color LCD with resolution of 320x240. Waveform and digital display modes
6. Built in large capacity lithium battery, optional external power adapter.
7. The communication can set the instrument off or standby mode.
8. It can be used by hand or fixed installation. The screen can be rotated 180 ° to display.

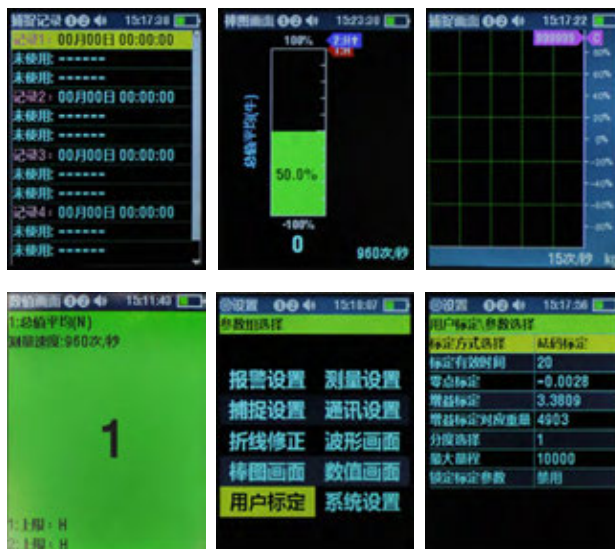
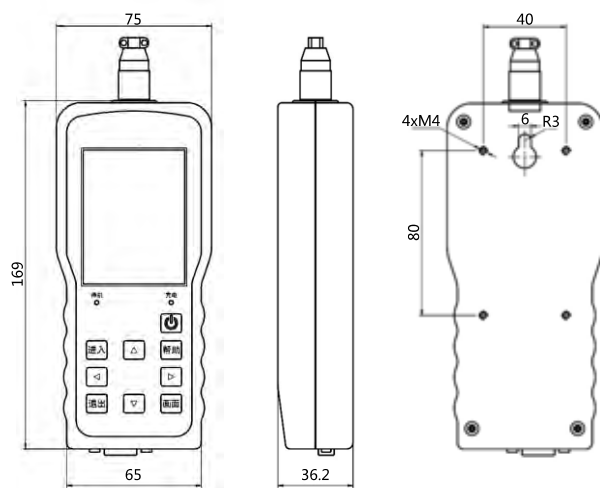
外形尺寸 External Dimension

参数表 Parameters Table

项目	规格
外部电源适配器	输入: AC 90~260V, 50Hz 或 60Hz 输出: DC 12V/2A, 接口内正外负 注意: 请勿使用非本机配套的电源适配器
内置电池	持续使用时间约 18~36 小时, 与使用方式有关 充电时间约 4~8 小时 待机时间约 4~8 天 寿命不低于 1000 次完全充电、放电循环
绝缘电阻	$\geq 100M\Omega$ (500V DC MEGA 基准)。电池供电时不适用
绝缘强度	2000V AC (测试条件: 50/60Hz, 1 分钟)。 内置电池供电时不适用
抗干扰	IEC61000-4-2 (静电放电), III级 IEC61000-4-4 (电快速瞬变脉冲群), III级 IEC61000-4-5 (浪涌), III级。内置电池供电时不适用
防护等级	IP65 (产品前面板防护) (GB/T42-2008)

项目	规格
输入信号	比例测量, 连接 4 线制应变传感器 -14 ~ 14mV
输入灵敏度	0.1uV / d
零点调整范围	-10~10 mV
增益输入范围	1 ~12 mV
转换方式	Sigma-Delta
测控速度	15、120、240、480、960、1920 次/秒 (通过参数设置)
非线性	$\pm 0.01\%F.S$ (测量速度 15 次/秒)
增益漂移	< 10 ppm/°C 连接传感器时须使用配套 端子接插件否则会恶化温漂特性
最高显示精度	1/100000
接点输入	1 点外部开关量输入, 可用于清零、去皮、允许报警、 显示锁定、清峰谷值、捕捉功能 (可通过参数选择)

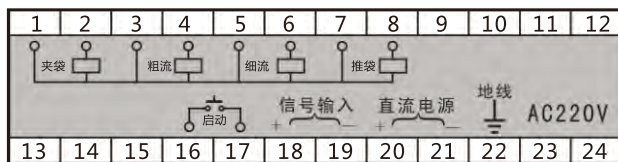
项目	规格
传感器电源	DC 5V $\pm 2\%$, 100mA (MAX)
报警输出	2 点 OC 门输出 $\leq 35mA$



LN965A 显示控制仪表 Display control instrument



连接示意图 Connection diagram



使用方法 Usage method

接通电源,信号检索完毕后,预热30分钟。按一下"启/停"按键,●启/停指示灯亮,启动夹带即可工作,●粗流,●细流指示灯亮,输出控制信号,当重量达到设定值时相应的●粗流,●细流指示灯灭,停止输出控制信号,之后●推袋指示灯亮输出推袋信号后,便完成一个工作周期。

控制器校秤操作 Controller scale calibration operation

整个称量配料系统的称量精度主要由称重传感器组、配料控制器、秤体等部分的精度、可靠性、参数协调等保证,因此在配料机设备进行配料工作前,必须进行校秤操作。LN965A15-J 配料控制器只有处于“停止”状态时,才能进行校秤操作。为确保校秤值的精确性,用户必须在控制器通电半小时后,进行校秤操作。将传感器线可靠地接入控制器。秤体应平衡,并保证所使用的传感器受力一致。否则应先进行秤体调整。控制器上电后,即为“停止”状态,只有在“停止”状态才能进行校秤操作。校秤前应确认称量斗内为空。

参数表 Parameters Table

电源	交流220V±10%-15%, 50Hz±2%
功耗	9W
工作环境温度	0- 50℃
工作环境湿度	≤90%RH(无凝露)

产品综述 Product Reviews

特性:

专门为化工、粮食、水泥等阀门包装机提供定量后自动控制的精密智能仪器。它具有操作简单、校准方便、性能稳定、双阀门、高精度等特点,它采用双面板设计,具有良好的抗干扰能力,能在复杂、恶劣的环境中可靠使用。

Characteristic:

It is a precision intelligent instrument for automatic control of valve port packing machines such as chemical industry, grain, cement, etc. It has the characteristics of simple operation, convenient calibration, stable performance, double valves, high precision, etc. It adopts double-sided plate design, has good anti-interference ability, and can be used reliably in complex and harsh environment.



夹带



粗流



细流



推袋



卸包



延时启动



零位范围



罐数控制



延时推袋/卸包

工作原理 Working principle

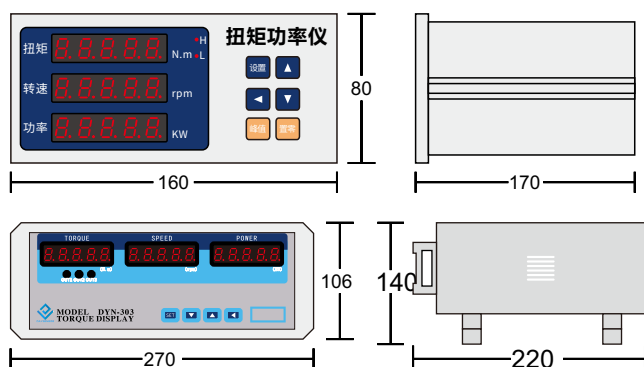
控制器采集到传感器输出的模拟信号,经进口芯片对数据进行集成处理后,将被称物料的重量值用LED进行显示。显示物料重量值的同时经电脑程序高速运算后与设定值进行比较,如果重量值达到了设定值,本控制器就输出信号给控制设备,从而实现停止给料、掉带等智能动作。



DYN-302 扭矩功率仪 Torque power meter



外形尺寸 External Dimension



参数表 Parameters Table

尺寸:	A外型盘装160x80x170mm 包括液晶显示和数码管显示2种;
T外形台式放置:	270x106x220mm。
仪表电源:	220VAC
功耗:	低于15VA
使用环境:	-10℃~70℃, 湿度0~90%RH, 不结露。
测量分辨率:	仪表内部测量分辨率可达1/1000000, 显示分辨率受5位显示数码管限制, 显示分辨率为1/120000。
测量速度:	每秒25次
扭矩显示范围:	-99999~99999N.m,
显示取绝对值:	0~99999N.m, 小数点位置可设定
转速显示:	0~99999, 小数点位置可设定
功率显示:	0~99999, 小数点自动调节
脉冲输入信号:	各种NPN、PNP、OC门输出的传感器信号、接近开关、旋转编码器
测量频率:	转速脉冲输入0.3Hz~20KHz
扭矩脉冲输入:	5KHz~15KHz, 可扩展至1Hz~60KHz
测量刷新频率:	每秒30次, 适用于快速反应场合。
标配变送输出:	2路4mA~20mA直流电流输出。
输出分辨率:	1/4000;
误差:	<±0.2% F.S.
负载能力:	≤600Ω
外供电源:	±15VDC或24VDC二者选一, 负载能力大于300mA
标配串口通讯:	RS232和RS485二者选一, 不指定默认标配RS485串口

产品综述 Product Reviews

特性:

液晶显示的仪表, 全中文 操作界面, 设置方便, 背光长亮, 白天或夜晚都能直观读数, 在室外, 液晶显示比数码管显示的仪表看的更清楚。

Characteristic:

Liquid crystal display instrument, all Chinese operation interface, convenient setting, long and bright backlight, intuitive reading in the daytime or at night. In the outdoor, the LCD display can see more clearly than the digital tube display instrument.

5. Alarm status, unit of quantities indicator



峰值判断



RS232/485



设置报警



扭矩



转速



功率

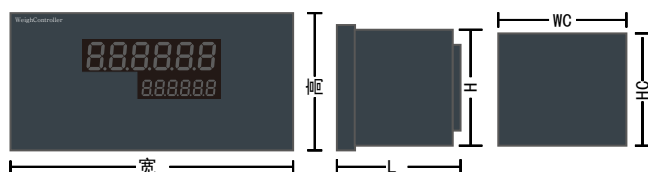
DYN-303 扭矩功率仪 Torque power meter



DY300 显示控制仪表 Display control instrument



外形尺寸 External Dimension



型号	面框尺寸(毫米)		外壳尺寸(毫米)		开孔尺寸(毫米)	
	宽	高	H	L	WC	HC
DY300	95	47	44	111	92	45
DY300A	160	80	75	85	152	76
V9696N2	96	96	96	105	92	92

V9696N2 显示控制仪表 Display control instrument



参数表 Parameters Table

工作环境温度	-20~50℃
湿度	20~90%RH
测量精度	±0.2%F.S±1个字
采集速度	10次或40次/秒可选
显示	双6位高亮度红色LED, 显示范围-99999~999999
输出激励电压	10V±5% (给传感器供电), 电流<50MA
电源电压	AC195~242V或者DC24V, 耗电量<5w

产品综述 Product Reviews

特性:

该仪表采用24位A/D转换器, 与各类传感器、变送器配合, 实现对压力、流量、物位、成份分析以及力和机械量等物理参数的测量、显示、报警监控、数据采集和记录。

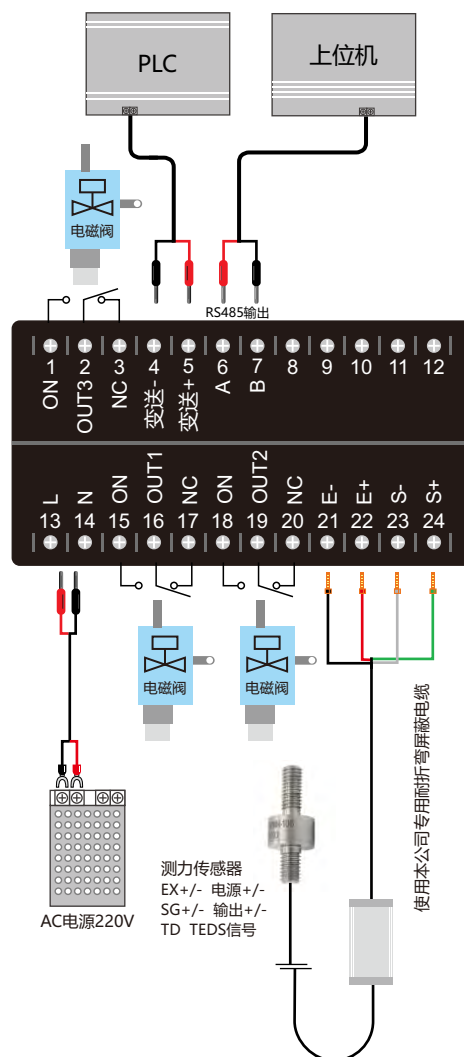
Characteristic:

The instrument adopts 24 bit a / D converter, cooperates with various sensors and transmitters to realize the measurement, display, alarm monitoring, data acquisition and recording of pressure, flow, material level, component analysis, force and mechanical quantity and other physical parameters.

DY300A 显示控制仪表 Display control instrument



连接示意图 Connection diagram



DY320 显示控制仪表 Display control instrument



产品综述 Product Reviews

特性:

五种单位可随意切换, 通讯模式支持连续发送、稳定发送、应答模式、手动模式。该仪表有畜牧秤模式, 可设置上下限报警。可手动置零, 自动置零。可设置零位跟踪, 内置蓄电池, 可适用各种称重环境如: 平台秤, 畜牧秤及公共设备的现场测力。

Characteristic:

The five units can be switched at will. The communication mode supports continuous transmission, stable transmission, response mode and manual mode. The instrument has animal scale mode and can set the upper and lower limit alarm. It can be set to zero manually and automatically. Can set zero tracking, built-in battery, can be used in a variety of weighing environment, such as: platform scale, livestock field force measurement of animal scale and public equipment.



RS232C



设置滤波



手/自动置零



畜牧秤模式



报警输出

参数表 Parameters Table

准确度:	III级
规格:	(0~3000)d
非线性:	≤0.01%F.S.
系统工作电压:	DC:5V
分度值:	1/2/5/10/20/50自由设定
大屏幕显示接口:	采样串行输出方式
AD输出速度:	40次/秒(可选择10或40)(B10只有10次/秒)
内部解析度:	≤24万
蓄电池:	6V 4Ah
交流电源:	使用适配器
输入:	AC 120~240V
输出:	DC 12V/500mA



参数表 Parameters Table

适配力计等级	0.3%
输入信号量程	4.0mV/V
可选通道规格	1/6/24/40
激励输出电压	10V-直流
显示位数-尺寸	6位-1.0英寸
额定显示分度	10万
AD转换速率	50次/秒
重复性、线性	0.01%F.S.
增益温漂系数	10ppm
mV/V准确度	0.03%F.S.
通讯打印接口	RS232

2025 显示控制仪表 Display control instrument



特性:

高性价比标准级测量仪表, 0.1%-0.3%级标准测力计的常用配套测量仪, 额定分度5万~30万, 6位显示。标准测力应用和相关力学检测设备习惯性的标准配置, 足额的性能冗余, 满足现行标准测力仪检定规程JJG144-2007中所有等级测力计更加严格的技术标准和要求。

Characteristic:

It is a standard measuring instrument with high cost performance ratio, a common matching measuring instrument for 0.1% - 0.3% standard dynamometer, with rated graduation of 50000-300000 and 6-bit display. The standard force measuring application and the conventional standard configuration of relevant mechanical testing equipment have sufficient performance redundancy, which can meet the more stringent technical standards and requirements of all levels of dynamometers in the current verification regulation of standard dynamometer JJG144-2007.





外形尺寸 External Dimension



参数表 Parameters Table

显示分度:	>100 万
显示分辨率:	0.000 001 mV/V
测量重复性、线性:	<0.002%
mV/V 测量准确度:	<0.0025%FS
增益温飘系数:	±5 ppm/10K
A/D 转换速率:	>100 次/秒
量值线性化校准能力:	2~20 段
测量单位:	N, kgf, lbf, mV/V
传感器数据通道:	8/16/32
滤波能力:	高精度/标准/动态

产品综述 Product Reviews

特性:

PMS-2100精密数字测量仪是应变式传感器检测、校准、补偿和调整的专用仪表,具有很高的分辨率、可靠性和性价比。仪表提供 5V 交流激励源和高稳定性载波频率放大器,具有 8/16/32 个传感器数据通道,每个通道均具备 2~20 段的传感器线性化校准能力,可用于传感器输出的非线性修正和示值精确标定,仪表信号输入范围-4.5~+4.5mV/V 和-10~+10mV/V,测量准确度优于0.0025% FS。

Characteristic:

Pms-2100 precision digital measuring instrument is a special instrument for strain sensor detection, calibration, compensation and adjustment. It has high resolution, reliability and cost performance. The instrument provides 5V AC excitation source and high stability carrier frequency amplifier. It has 8 / 16 / 32 sensor data channels. Each channel has 2 ~ 20 segments of sensor linearization calibration capability. It can be used for nonlinear correction and accurate calibration of sensor output. The instrument signal input range is - 4.5 ~ + 4.5mV/V and - 10 ~ + 10mV / V, and the measurement accuracy is better than 0.0025% FS.



应变式传感器



静态力值测量



静态扭矩测量



材料性能测试



应力应变测量



瞬态峰值测量

图标	键名	第二功能	主要功能简介
	置零		当前值清零
	清除	向左	更新峰值数据
			数据输入位向左移动
	峰值	向右	开启/关闭峰值测量
			数据输入位向右移动
	单位	减	单位转换
			数据输入位数值的减一
	通道	加	更改数据通道
			数据输入位数值的加一
	确定	保存	存储数据
	复位	退出	复位/取消保存

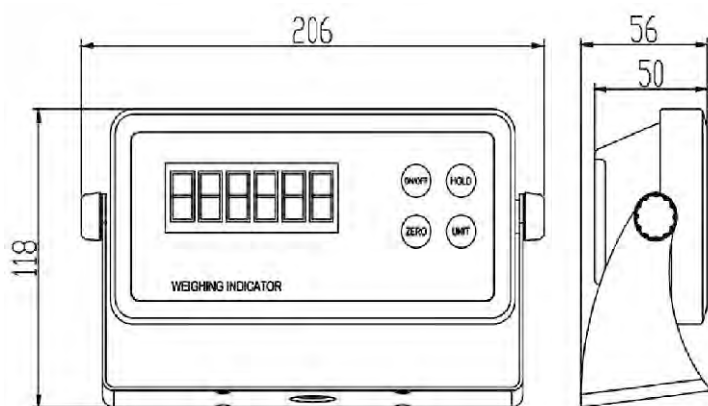
高精度测量时,可以 mV/V 为单位测量显示传感器输出绝对值或变化率,仪表具有: N、kg、lb 和 mV/V 四种单位转换测量功能,四种校准或标定方法:零点、逐点加载、选点加载、手工输入数据,表与表之间数据可移置、替换,数据比较与恢复。仪表采用标准 RS232 接口,AD 源码输出或 mV/V 输出,用于二次开发。

In high-precision measurement, the absolute value or change rate of sensor output can be measured and displayed in MV / V unit. The instrument has four unit conversion measurement functions: n, kg, LB and MV / V, four calibration or calibration methods: zero point, point by point loading, point by point loading and manual input of data. The data between tables can be moved and replaced, and the data can be compared and recovered. The instrument adopts standard RS232 interface, ad source code output or MV / V output for secondary development.

DY330 显示控制仪表 Display control instrument



外形尺寸 External Dimension



产品综述 Product Reviews

特性:

1. 低功耗设计, 电池使用时间更长
2. 6 位 20mm 字高 LCD 显示
3. 完善的功能:
4. 电池电压检测低压提醒, 欠电关机
5. 保持功能, 锁定重量
6. 空闲模式和自动关机置零、皮重功能
7. 可选串口输出连接大屏幕或电脑

Characteristic:

1. Low power design, longer battery life
2. 6-bit 20 mm high LCD display
3. Perfect functions:
4. Battery voltage detection, low voltage warning, power off
5. Keep the function and lock the weight
6. Idle mode, automatic shutdown, zero setting and tare function
7. Optional serial output connection to large screen or computer



电量监控



自动关机



背光控制



峰值保持



自动保持



去皮



连续/手动发送



置零



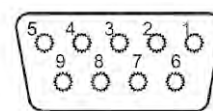
多种单位切换



数值保持

图标/功能	称重模式	参数设置
ON/OFF	开关机	退出
HOLD	保持	确认
ZERO	置零/去皮	左移
UNIT	单位切换	下翻

本产品可使用外接适配器供电。当使用适配器供电时,你只需将适配器的直流电源插头插入仪表后盖的圆形电源DC接口插座中即可。在没有外接电源提供的情况下,可以装入3节5号干电池给仪表供电。仪表采用3节5号干电池,可以连续使用30小时以上,关闭背光可使用100小时。当提示电池低电压时(电池图标点亮)需更换电池,未及时更换电池,会因欠电关机。在连接DC供电时,不消耗电池电量。



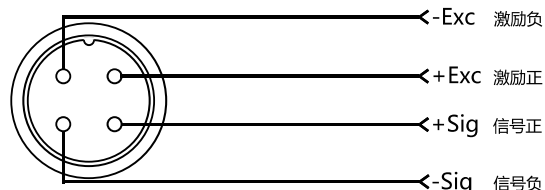
DB9 头

引脚功能定义见下表:

DB9头脚位	定义	功能说明
2	TXD	发送数据
3	RXD	接受数据
5	GND	接地端

参数表 Parameters Table

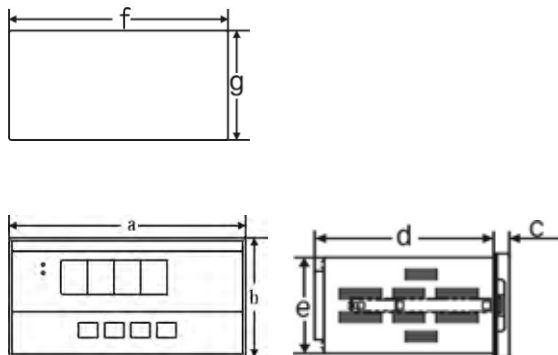
准确度等级符合	OIML级标准
去皮范围	2%~100%最大称量
开机置零范围	±10%最大称量
手动置零范围	±2%最大称量
使用温度、湿度	-10~+40℃; ≤90%RH
存储温度	-40~+70℃





外形尺寸 External Dimension

开孔尺寸图:



规格	a	b	c	d	e	f	g
160×80	160	80	10	115	75	152-1	76-1
96×96	96	96	12	100	91	92-0.5	92-0.5
96×48	96	48	12	100	43	92-0.5	45-0.5
72×72	72	72	12	100	67	68-0.5	68-0.5
48×48	48	48	8	100	44	48-0.5	48-0.5

参数表 Parameters Table

电源电压	AC电源	100-240 VAC 50/60 Hz
	AC/DC 电源	10-24V AC 50/60 Hz; 10-24V DC
消耗功率	AC电源	6 VA以下
	AC/DC 电源	AC: 6 VA以下; DC: 6W以下
		直流供电电源应留有一定功率余量 请按每台24VDC/0.5A, 12VDC/2A 配置电源并注意电源线长度和线径。
允许电压变动范围	电源电压的90 ~ 110 %	
绝缘阻抗	100MΩ以上 (500 V DC MEGA基准)	

产品综述 Product Reviews

特性:

CH6系列数显仪与各类模拟量输出的传感器、变送器配合,完成温度、压力、液位、成分等物理量的测量、变换、显示和控制误差小于0.5%FS,并具备调校数字滤波功能适用于标准电压、电流、热电阻、热电偶等信号类型2点报警输出,上限报警或下限报警方式可选择。报警灵敏度独立设定变送输出(选装),能将测量、变换后的显示值以标准电流、电压形式输出供其它设备使用。

Characteristic:

Ch6 series digital display instrument, with various analog output sensors and transmitters, can complete the measurement, transformation, display and control of temperature, pressure, liquid level, composition and other physical quantities. The error is less than 0.5% F.S. it has the function of adjusting digital filtering. It is suitable for 2-point alarm output of standard voltage, current, thermal resistance, thermocouple and other signal types. The upper limit alarm or lower limit alarm mode can be selected. The alarm sensitivity can be set independently to transmit output (optional), and the measured and transformed display value can be output in the form of standard current and voltage for use by other equipment.

耐电压	在2000 VAC 50/60Hz下1分钟
抗干扰	IEC61000-4-2 (静电放电), III级 IEC61000-4-4 (电快速瞬变脉冲群) III级 IEC61000-4-5 (浪涌) III级
防护等级	IP65 (产品前面部分)
防护等级	防护等级 -10 ~ 55°C; 保存 -25 ~ 65°C 防护等级 35 ~ 85 %RH; 保存 35 ~ 85 %RH
获得认证	CE

输入规格:

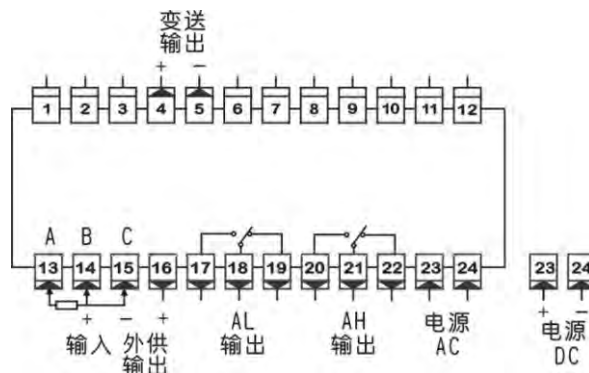
测量控制速度	5次/秒 以上
基本误差	±0.5 %F.S
显示范围	-1999 ~ 9999
防护等级	
输入信号 (万能输入, 通过参数选择输入信号)	电压 V 0-5V / 1-5 V 电流 I 4-20/0-10/0-20 mA 热电阻 R Pt100/Cu100/Cu50/BA1/BA2/G53 热电偶 E K/S/R/B/N/E/J/T

输出规格:

接点输出	T2	2点, 250VAC/3A 阻性负载
外供电源	B1	24V±5%, 50mA以下

输出规格:

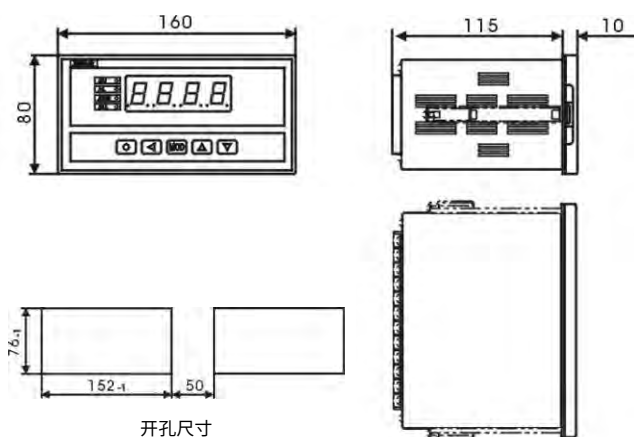
模拟量输出 (分辨率 1/3000)	A1	电流输出 (4-20) mA、(0-20) mA、(0-10) mA, 电流输出与外供不隔离 (不需要外供电源时)
	A1G	电流输出 (4-20) mA、(0-20) mA、(0-10) mA, 电流输出与外供隔离 (需要外供电源时)



XSB2 显示控制仪表 Display control instrument



外形尺寸 External Dimension



开孔尺寸

参数表 Parameters Table

220V AC供电的仪表:	220V $\pm$ 10%, 功耗小于7VA;
24V DC供电的仪表:	24V $\pm$ 10%, 功耗小于5VA;
12V DC供电的仪表:	9V~20V, 功耗小于5VA;
	其它电源规格以随机说明书为准
工作环境:	0°C~50°C, 湿度低于90%R.H 宽温范围的仪表需在订货时注明
显示范围:	-1999~9999, 小数点位置可设定
显示颜色:	测量值绿色, 设定值红色, 光柱红色, 或按订货要求
显示分辨率:	1/10000
输入信号类型:	电压、电流、热电阻、热电偶、mV、电位器、远传压力表7种, 其中
电压:	1V~5V DC, 0V~5V DC 可通过设定选择
电流:	4mA~20mA, 0mA~10mA, 0mA~20mA可通过设定选择
热电阻:	Pt100, Cu100, Cu50, BA1, BA2, G53可通过设定选择
热电偶:	K, S, R, B, N, E, J, T可通过设定选择
	其它输入信号或分度号需在订货时注明
基本误差:	小于 $\pm$ 0.2%F.S
测量分辨率:	1/60000, 16位A/D转换器
测量控制周期:	0.2秒

产品综述 Product Reviews

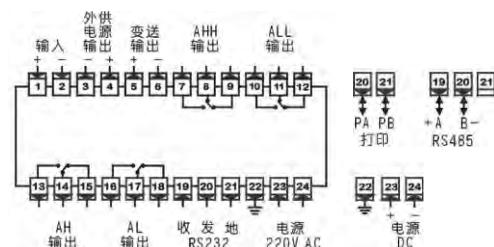
特性:

单通道数字式智能仪表与各类模拟量输出的传感器、变送器配合, 完成温度、压力、流量、液位、成分以及力和位移等物理量的测量、变换、显示、传送和控制。仪表采用单片机嵌入式组合设计, 硬件扩充性强, 软件平台灵活, 可以扩展开关量输入、定时、程序顺序控制等, 不局限于标准功能。可按实际需要组合, 以实现最佳性能。

Characteristic:

The single channel digital intelligent instrument can complete the measurement, transformation, display, transmission and control of temperature, pressure, flow, liquid level, composition, force and displacement, etc. The instrument adopts single chip microcomputer embedded combination design, with strong hardware expansion and flexible software platform. It can expand switch input, timing, program sequence control, etc., which is not limited to standard functions. It can be combined according to actual needs to achieve the best performance.

5. Alarm status, unit of quantities indicator



报警输出:

- 10种报警方式, 通过设定选择。延时报警功能
- 继电器输出: 触点容量220V AC, 3A
- OC门输出 (订货时注明): 电压小于30V, 电流小于50mA

变送输出:

- 光电隔离
- 4mA~20mA, 0mA~10mA, 0mA~20mA直流电流输出, 通过设定选择。负载能力大于600 Ω
- 1V~5V, 0V~5V, 0V~10V直流电压输出, 需订货时注明
- 输出分辨率: 1/1000, 误差小于 $\pm$ 0.5% F.S或1/4000, 误差小于 $\pm$ 0.2% F.S (订货时注明)

通讯接口:

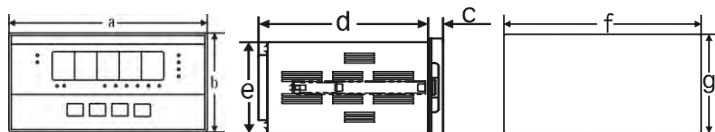
- 光电隔离
- RS232、RS485、RS422标准, 在订货时注明
- 仪表地址0~99可设定
- 通讯速率2400、4800、9600、19200通过设定选择, 低于2400的速率需在订货时注明
- 仪表收到计算机命令到发出相应数据的回答延迟: 以“#”为定界符的命令, 回答延迟小于500 μ s; 其它命令的回答延迟小于100ms
- 配套测试软件, 提供组态软件和应用软件技术支持

打印接口及打印单元:

- 内置硬件时钟, 停电不影响走时, 自动调整闰年、大、小月
- 手动/手动+定时/手动+定时+报警三种打印方式
- 打印内容: 时间(年/月/日/时/分) 报警状态/测量值/工程量单位



外形尺寸 External Dimension



规格	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)
160×80	160	80	10	115	75	152 ₋₁	76 ₋₁
96×48	96	48	12	100	43	92 _{-0.5}	45 _{-0.5}

选配 Matching

A1	模拟量输出或通讯接口	电流输出4~20mA、0~10mA、0~20mA	分辨率 1/3000
A2		电压输出0~5V、1~5V	
A3		电压输出0~10V	
M1		Modbus-RTU协议 RS232	速率:2400;4800;9600;19200
M2		Modbus-RTU协议 RS485	地址:0-99 应答时间:500μs(测量值)

参数表 Parameters Table

电源电压	Ac电源 100-240 VAC 50/60 Hz
消耗功率	AC电源 7 VA以下
允许电压变动范围	电源电压的90~110%
绝缘阻抗	100MΩ以上(500 VDC MEGA基准)
耐电压	在2000 VAC 50/60Hz下1分钟 IEC61000-4-2 (静电放电), III级;
抗干扰	IEC61000-4-4 (电快速瞬变脉冲群), III级; IEC61000-4-5 (浪涌), Ⅲ级
防护等级	IP65 (产品前面部分)
周围环境	-10~55℃; 保存-25~65℃ 35~85%RH; 保存35~85%RH
测量控制速度	10次/秒
基本误差	±0.05 %F.S
显示范围	-19999~45000, 超载时显示OL
输入信号	比例测量, 配接4线制应变传感器 适应0.8~2.5mV/V

产品综述 Product Reviews

特性:

- 0.05级测量精度, 每秒10次测控速度
- 净重、毛重、峰值、谷值处理及切换显示
- 上限、下限、偏差、范围6种报警方式
- 零位跟踪、判稳、开机自动清零功能
- 报警状态、工程量单位指示灯

Characteristic:

- 0.05 level measurement accuracy, 10 times per second measurement and control speed
- Net weight, gross weight, peak value, valley value processing and switching display
- 6 alarm modes of upper limit, lower limit, deviation and range
- Zero tracking, stable judgment and automatic zero clearing after startup



峰值谷值判断



滤波及判稳



比较输出



RS232/485



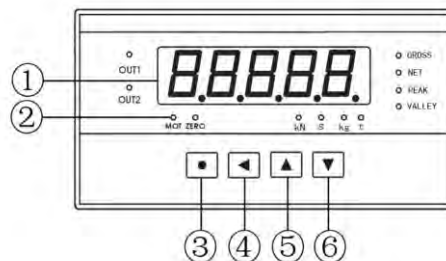
上电清零



零位跟踪



变送输出上下限



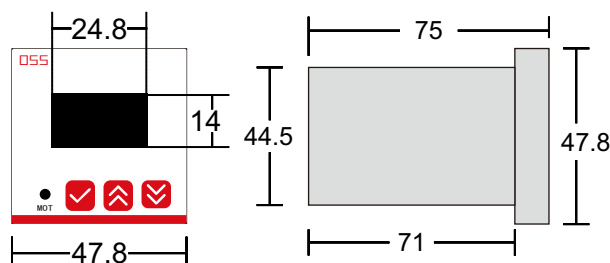
名称	说明
① 显示屏	显示测量值, 可分别总值、净值、峰值、谷值 在参数设置状态下, 显示参数符号及参数数值
② 指示灯	1) out1、out2 为比较输出指示灯 2) MOT灯亮时表示测量值有变动 3) ZERO灯亮时表示测量值为零 4) GROSS灯亮时表示显示总值 5) NET灯亮时表示显示净值 6) PEAK灯亮时表示显示峰值 7) VALLEY灯亮时表示显示谷值 8) kN、g、kg、t为计量单位指示灯
操作键	③ 设置键 1) 按下不松开, 2秒后进入设置状态 2) 按下后松开, 2秒内在按④不松开 2秒后进入调校状态, 显示CAL 3) 按下后松开, 2秒内在按④不松开 2秒后清除峰值。
	④ 左键 1) 重量不变动时, 按该键后仪表记下 此时的总值作为净值减扣值, 并转 到净值显示 2) 设置时移动修改位
	⑤ 增加键 1) 在测量状态时, 切换总值、净值、峰 值、谷值的显示 2) 设置时, 增大修改位数
	⑥ 减小键 1) 如果总值不超过设置的清零范围, 且 测量值不变动时, 按此键2秒可回零 2) 设置时, 减小修改位数

D055 显示控制仪表

Display control instrument



外形尺寸 External Dimension



参数表 Parameters Table

执行标准	CMC GB/T 7724-2008《电子称重仪表》 中华人民共和国国家标准 GB/T 23111-2008 非自动衡器(OIML R76:2006, IDT)
准确度等级	III级
检定准确度	0.06%
非线性	0.01%
综合精度	0.06%
温度漂移	温漂小于10ppm
采样速度	1200次/s
模拟输入信号范围	-20~20mV
显示分度	-99999或999999
供电电压	9~24V DC, <5W
供桥电压	5V/100mA,比例式采集
使用环境	-20~70°C 相对湿度<85% (无结露)

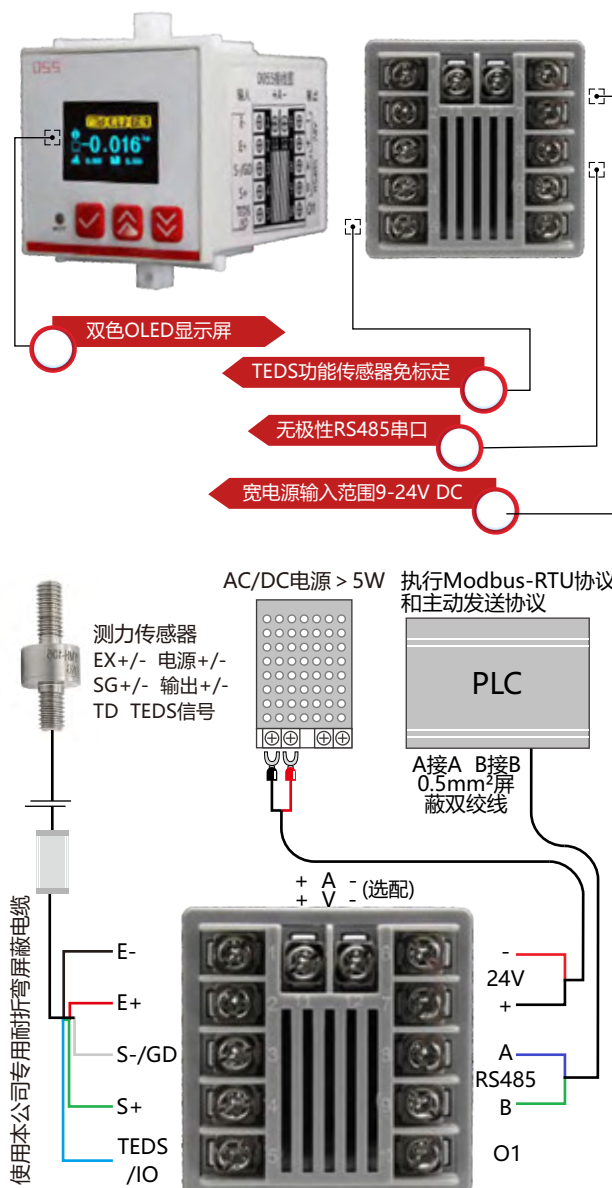
产品综述 Product Reviews

特性:

称重(测力)显示、峰值捕获、上下限简单比较计数、报警输出,按键捕获。整机EMC设计,抗干扰性强。32位ARM CPU, 36MHz主频,双色oled屏幕显示,最高显示6位数据。采用24位高精度A/D采集芯片,8种采集速率可选,最高可达1200Hz。采样两级滤波的算法,保证了数据的稳定性与准确性,以及在重量变化时候的反应速度。采用零点跟踪与蠕变跟踪算法,减小了因温度引起的零点漂移误差。具有上电清零、自动零点跟踪、零位校准等清零功能。具有数字校准、量程校准等校准方法。具有参数修改加密操作。具有RS485协议可与PLC通信。采用多任务工作模式,在修改参数时不影响其他功能正常运行。

Characteristic:

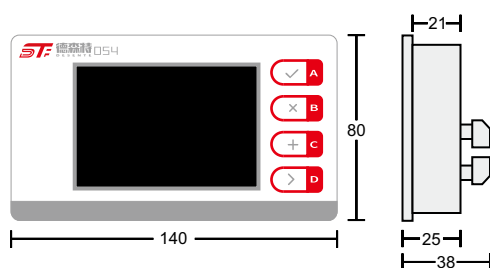
Weighing (force measurement) display, peak capture, upper and lower limit simple comparison count, alarm output, key capture. The EMC design of the whole machine has strong anti-interference performance. 32 bit arm CPU, 36MHz main frequency, dual color OLED screen display, up to 6 bits of data. Using 24 bit high precision A / D acquisition chip, 8 kinds of acquisition rate can be selected, up to 1200Hz. The sampling two-stage filtering algorithm ensures the stability and accuracy of the data and the reaction speed when the weight changes. Zero point tracking and creep tracking algorithm are used to reduce the zero drift error caused by temperature. It has the functions of power on clearing, automatic zero tracking and zero calibration. It has digital calibration, range calibration and other calibration methods. Encryption operation with parameter modification. RS485 protocol can communicate with PLC. The multi task mode is adopted, and the normal operation of other functions is not affected when the parameters are modified.



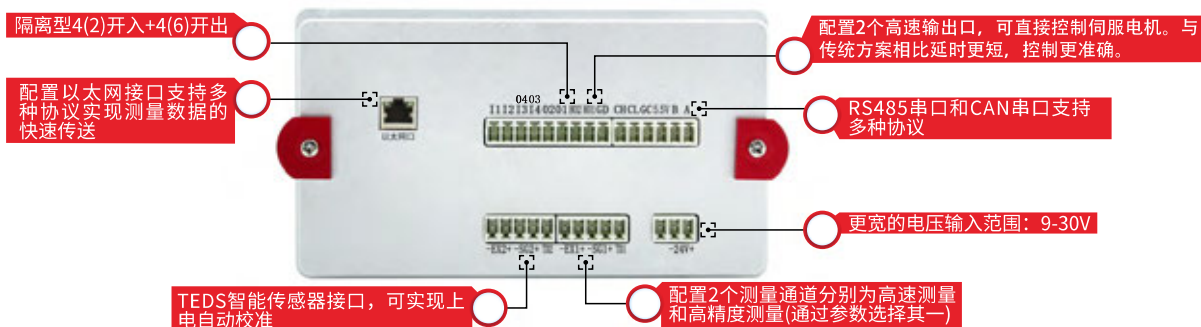
D054 显示控制仪表 Display control instrument



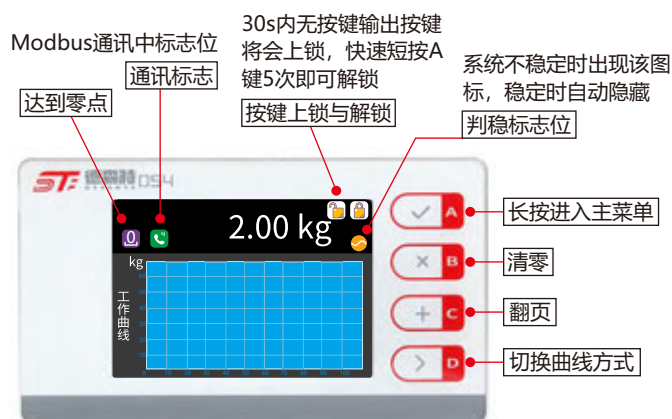
外形尺寸 External Dimension



端口介绍 Port introduction



仪表界面 Instrument interface



★进入子操作界面后按键功能改变, 请阅读详细说明书中各界面具体操作方法。

产品综述 Product Reviews

特性:

D054仪表配置1个RS485串口, 一个CAN通信口和一个以太网口。RS485执行MODBUS-RTU协议。ASC主动上传和HEX快速主动上传协议。MODBUS协议支持03读命令和10H写命令。主动上传协议提供最小延迟最快速度的主动上传协议。

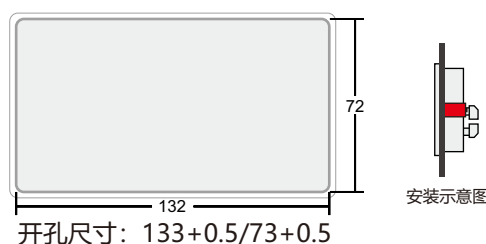
CAN通信口支持CANOPEN协议和自定义协议。
以太网口支持MODBUS-TCP协议和自定义协议。

Characteristic:

D054 instrument is equipped with one RS485 serial port, one can communication port and one Ethernet port. RS485 implements MODBUS-RTU protocol, ASC active upload protocol and hex fast active upload protocol. Modbus protocol supports 03 read command and 10h write command. Active upload protocol provides the minimum delay and the fastest active upload protocol.

Can communication port supports CANopen protocol and custom protocol.
The Ethernet port supports Modbus-TCP protocol and custom protocol.

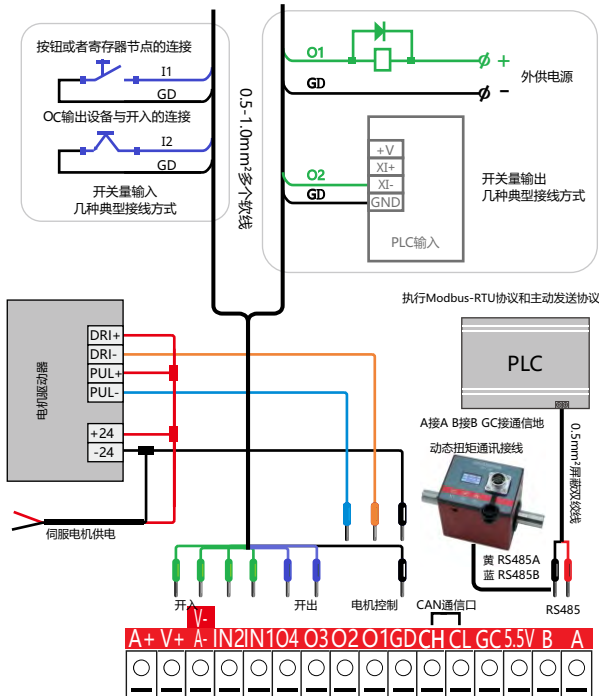
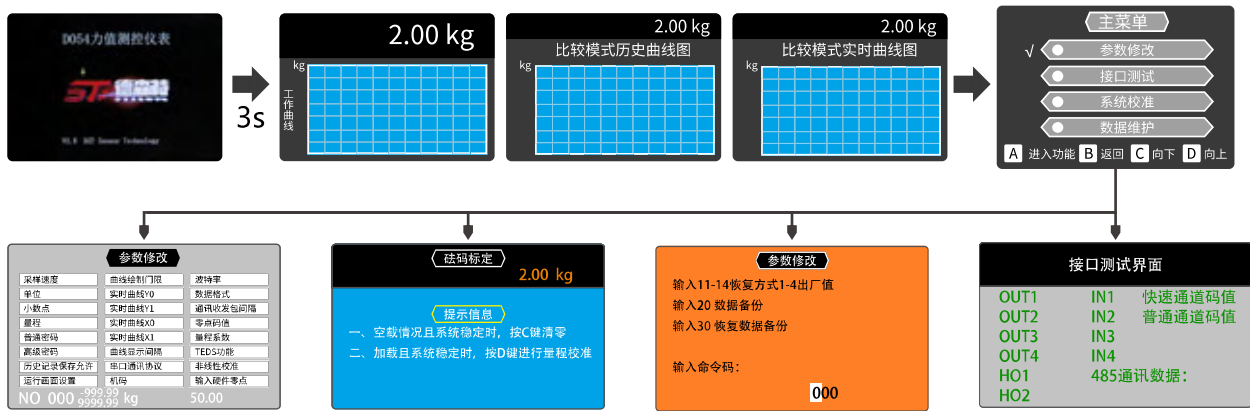
安装示意图 installation diagram



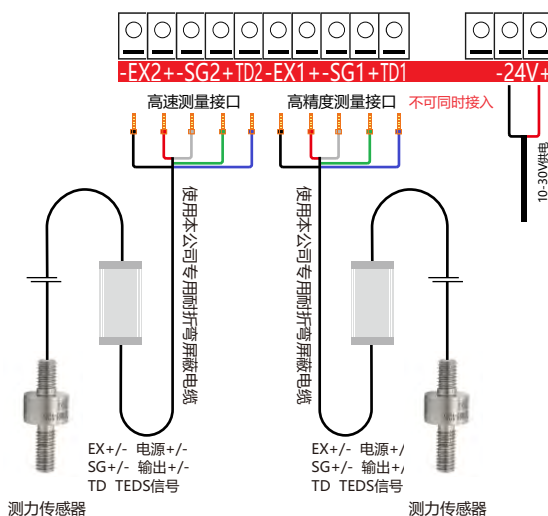
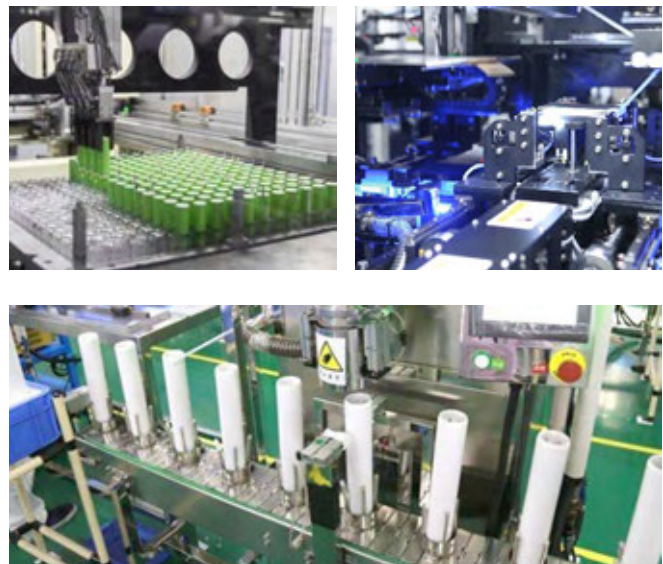
技术指标 Technical index

- 综合精度优于0.1%, 非线性优于0.01%
- 高精度采集 精度优于0.01%
- 模拟输入信号范围-15~15mV
- 高速度采集可达到9000次/s
- 显示分度9999.99
- 20~70°C 相对湿度 < 90% (无结露)
- 供电电压12~30V DC, < 5W

仪表界面 Instrument interface



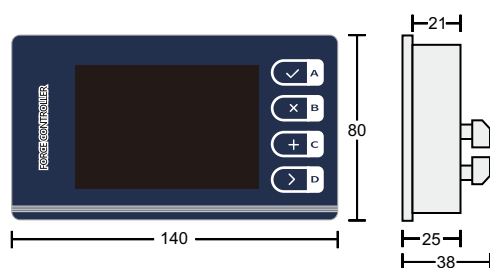
应用领域 Application



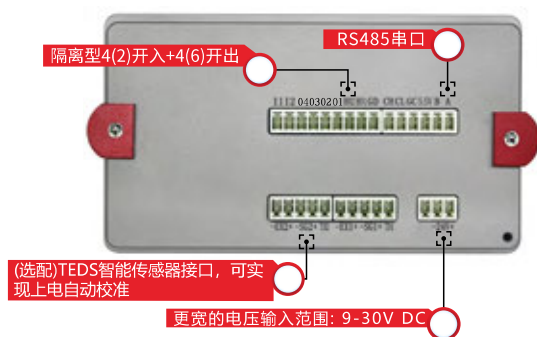
D054A 显示控制仪表 Display control instrument



外形尺寸 External Dimension



端口介绍 Port introduction



仪表界面 Instrument interface



★进入子操作界面后按键功能改变, 请阅读详细说明书中各界面具体操作方法。

产品综述 Product Reviews

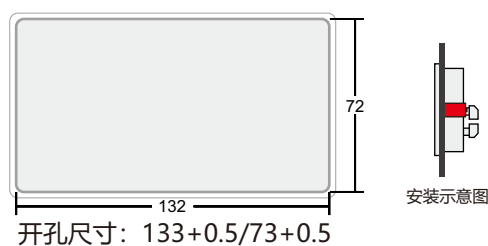
特性:

DY054A仪表配置1个RS485串口。RS485执行MODBUS-RTU协议。ASC主动上传和HEX快速主动上传协议。MODBUS协议支持03读命令和10H写命令。主动上传协议提供最小延迟最快速度的主动上传协议。

Characteristic:

Dy054a instrument is equipped with one RS485 serial port. RS485 implements MODBUS-RTU protocol, ASC active upload protocol and hex fast active upload protocol. Modbus protocol supports 03 read command and 10h write command. Active upload protocol provides the minimum delay and the fastest active upload protocol.

安装示意图 installation diagram



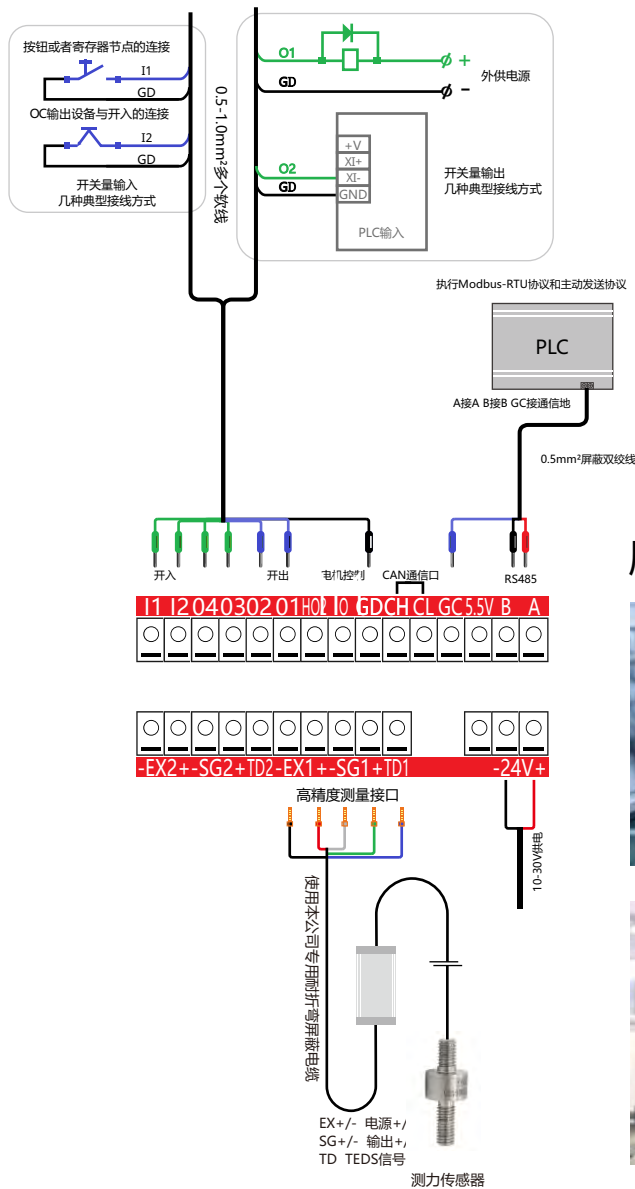
开孔尺寸: 133+0.5/73+0.5



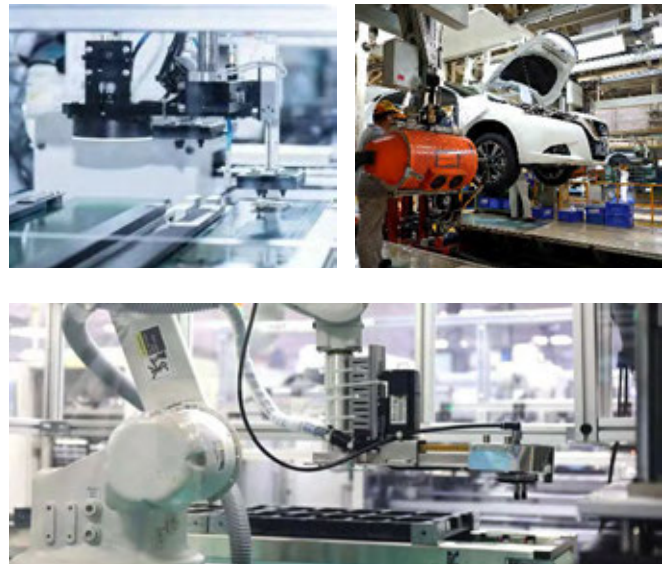
技术指标 Technical index

- 综合精度优于0.1%, 非线性优于0.01%
- 高精度采集 精度优于0.01%
- 模拟输入信号范围3.0mV/V
- 高速采集可达到1200次/s
- 显示分度9999.99
- 20~70°C 相对湿度 < 90% (无结露)
- 供电电压10-30V DC 常用(24V DC)

仪表界面 Instrument interface



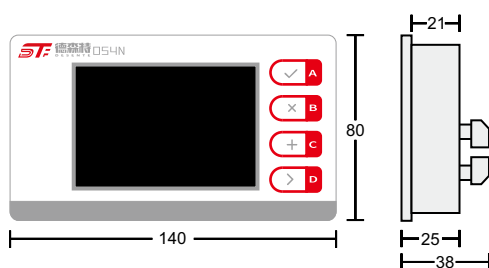
应用领域 Application



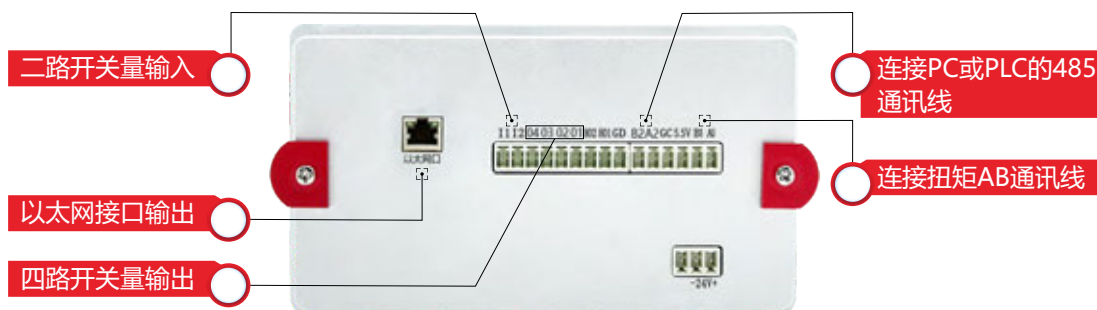
D054N 显示控制仪表 Display control instrument



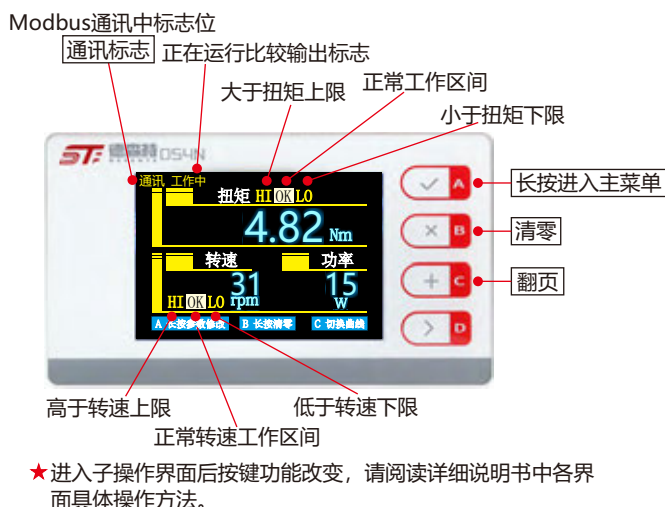
外形尺寸 External Dimension



端口介绍 Port introduction



仪表界面 Instrument interface



技术指标 Technical index

- 综合精度优于0.1%，非线性优于0.01%
- 高精度采集 精度优于0.01%
- 数字信号RS485输入
- 高速采集可达到4000次/s
- 显示分度9999.99
- 20~70℃ 相对湿度 < 90% (无结露)
- 供电电压12~30V DC, < 5W

产品综述 Product Reviews

特性:

D054N仪表配置2个RS485串口, 一个以太网口。RS485执行MODBUS-RTU协议、ASC主动上传和HEX快速主动上传协议。MODBUS协议支持03读命令和10h写命令。主动上传协议提供最小延迟最快速度的主动上传协议。

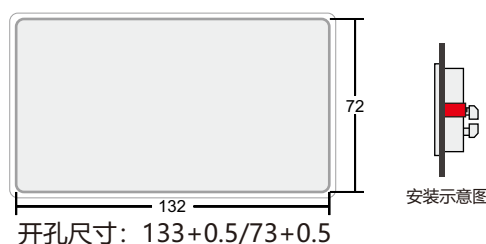
以太网口支持MODBUS-TCP协议和自定义协议。

Characteristic:

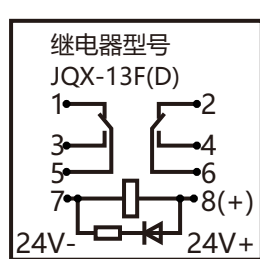
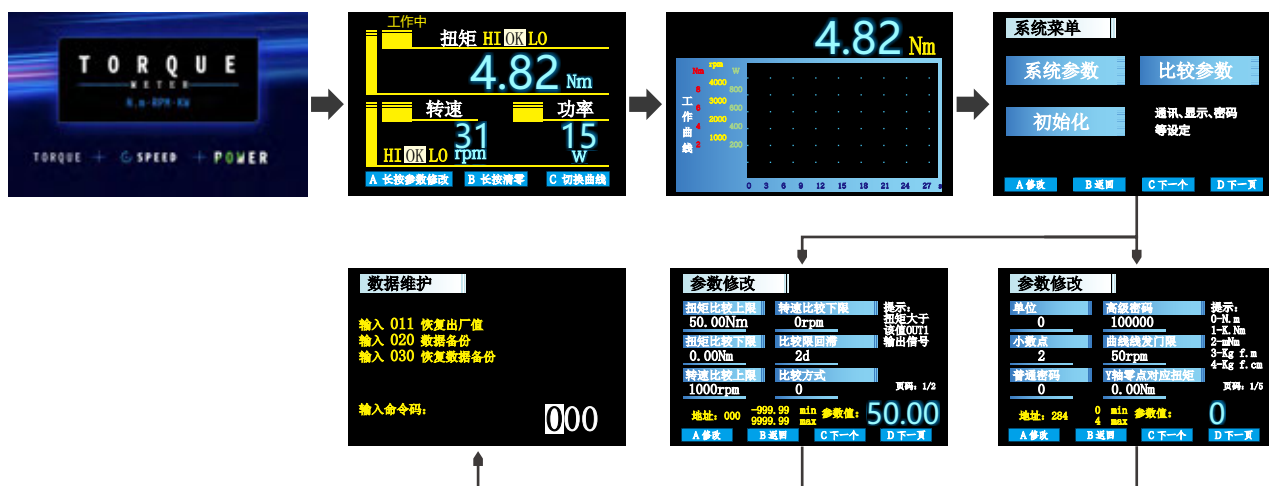
D054n instrument is equipped with two RS485 serial ports and one Ethernet port. RS485 implements MODBUS-RTU protocol, ASC active upload protocol and hex fast active upload protocol. Modbus protocol supports 03 read command and 10h write command. Active upload protocol provides the minimum delay and the fastest active upload protocol.

The Ethernet port supports Modbus-TCP protocol and custom protocol.

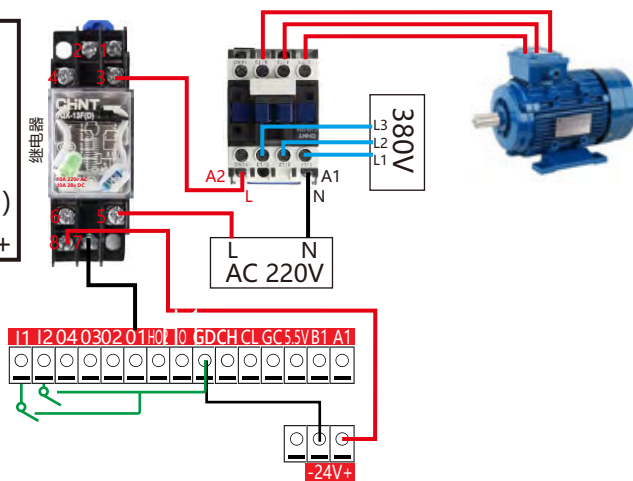
安装示意图 installation diagram



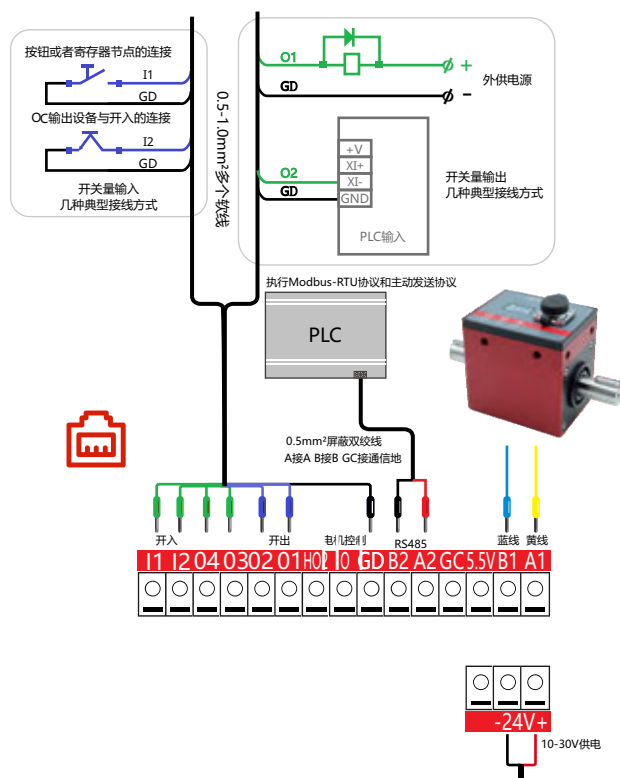
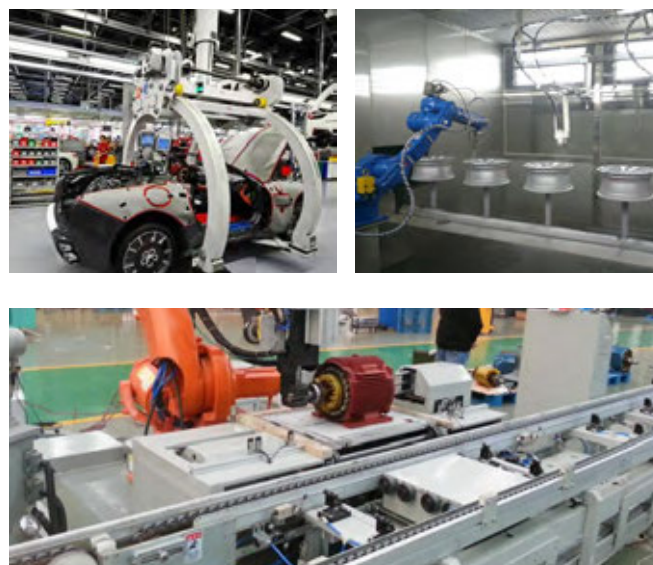
仪表界面 Instrument interface



连接电机及继电器



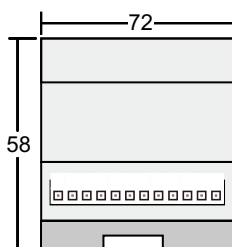
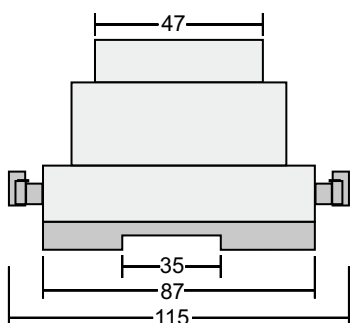
应用领域 Application



D056 显示控制仪表 Display control instrument



外形尺寸 External Dimension

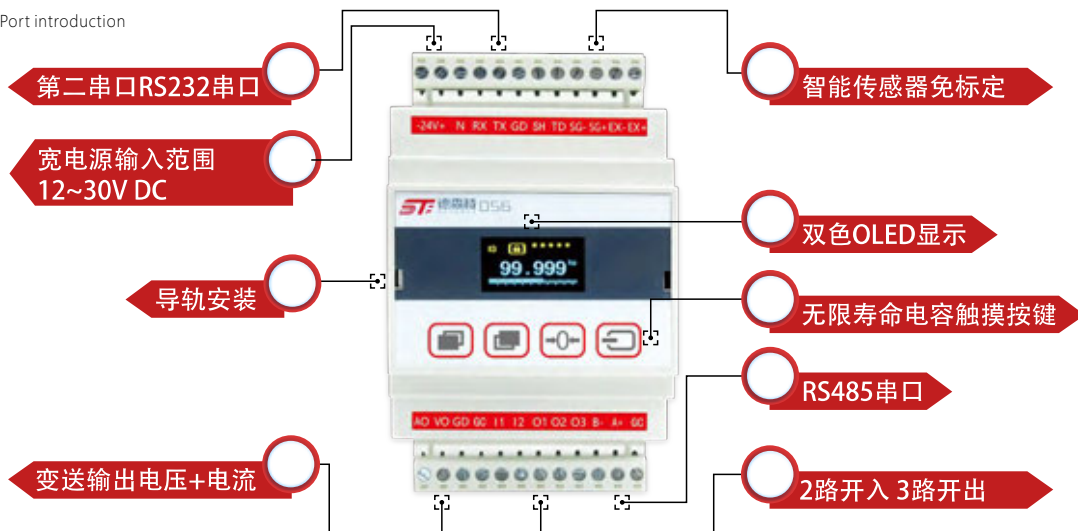


安装示意图 installation diagram

线缆规格: 0.3-0.5mm²多股软线
鲨鱼齿 E0508管型预绝缘端头



端口介绍 Port introduction

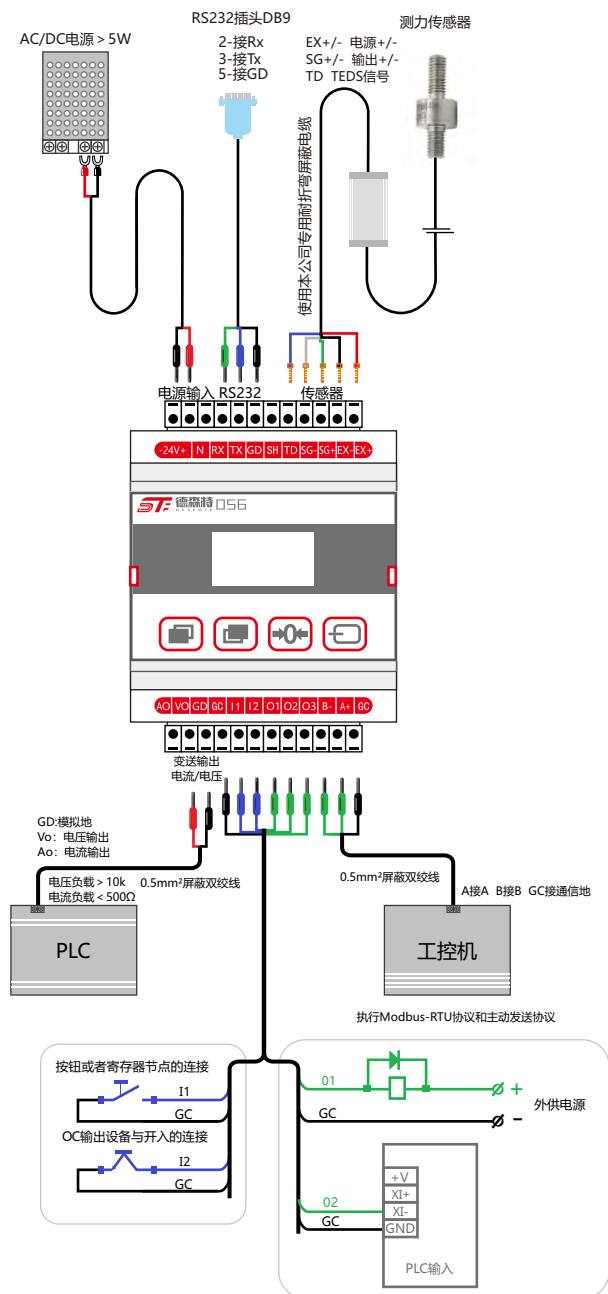
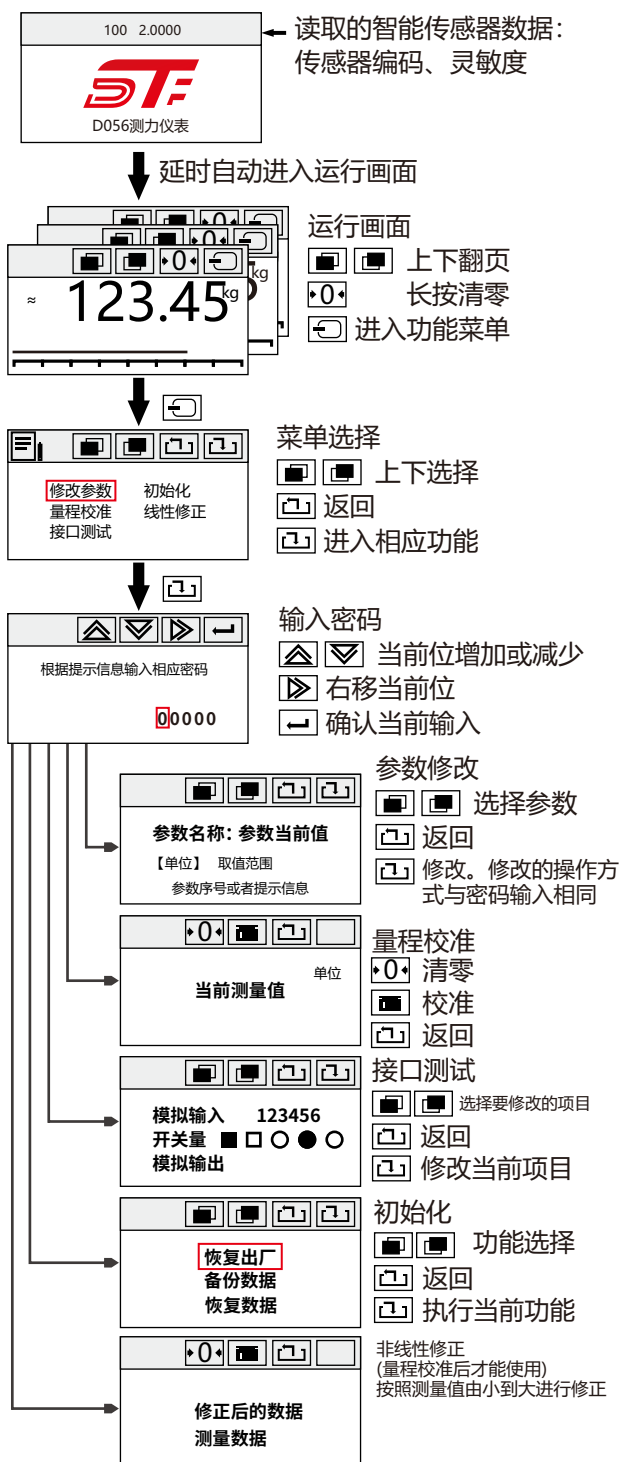


技术指标 Technical index

- 综合精度优于0.1%，非线性优于0.02%
- 采样速度最快3200次/s
- 模拟输入信号范围-15~15mV
- 显示分度999999或99.999

- 供桥电压5V/100mA,比例式采集
- 温漂小于20ppm
- 变送输出0~10 or -5~5V和4-20mA
- 供电电压12~30V DC, <5W
- 20~70°C 相对湿度 < 90% (无结露)

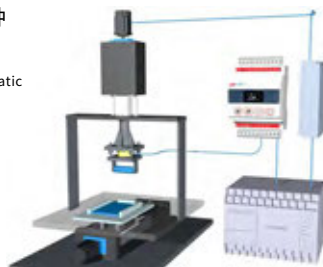
仪表界面 Instrument interface



应用领域 Application



1. 自动化装配中各种受力检测
1. Stress detection in automatic assembly



1. 手机屏幕压装等
1. Mobile phone screen press mounting.



主要功能 major function

1. 可实现最多6路的累加配料。
2. 两种给料方式:双速给料或单速给料。
3. 多种启动方式:外部启动和通信启动,
4. 卸料有多种方式。1为自动卸料,给料完成自动卸料。2为外部控制卸料。外部信号有效时才卸料。
5. 配料量的设定。可以通过键盘或通信输入各路的配料量和提前量,也可由配方库直接调入。仪表保存20个配方。
6. 具有批次控制功能。
7. 实时时钟显示。
8. 可选模拟输出功能。
9. 可以查询和打印100个批次累计数据,可选自动或手动方式打印报表。
10. 自动零位跟踪,自动清零和自动落差调整。
11. 接口测试、数据备份和恢复等功能。
12. 485串口,支持modbus-RTU通信协议。如果使用打印机时串口无效。

参数表 Parameters Table

参数名称	取值范围(初值)
允许误差	0-20.0%(0.5%)
补偿周期	0-1000(2)
补偿系数	0-100(80)%
清零范围	0-30000(50)
清零周期	0-200(1)
判稳条件	0-100(5)d
禁止比较时间	0-20.0(2.0)s
卸料延迟时间	0-20.0(1.5)s
延时称重时间	0-20.0(2.0)s
关门时间	0-5000(5.0)s
显示滤波	1-32(1)
重量单位	1-2(2) 1=t 2=kg
重量小数	0-4(1)
显示分度	1-6(1)对于1、2、5、10、20、50
额定量程	1-50000(1000)
机码	1-32(1)
波特率	1-3(2) 1=4800 2=9600 3=19200
启动方式	1=外部信号 2=通信启动
给料形式	1-2(1) 1=单速 2=双速
卸料形式	1-2(1) 1=自动卸料 2=外部控制

产品综述 Product Reviews

特性:

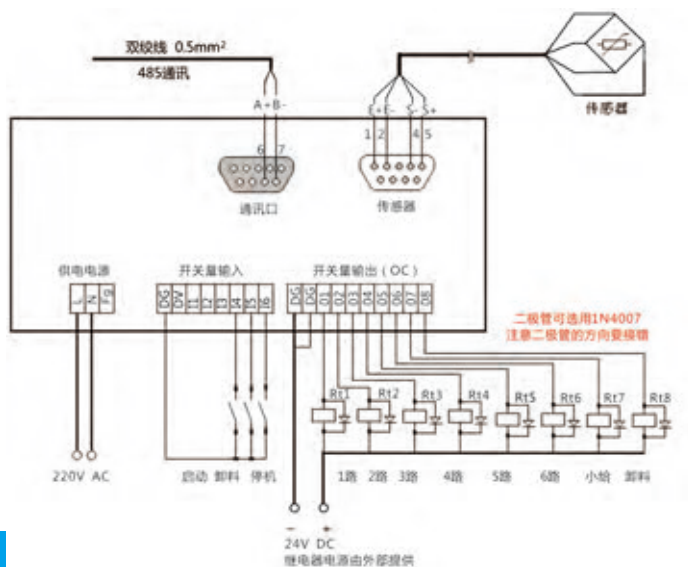
700WC 料斗秤控制器是专门针对混凝土、稳定土等配料系统设计的累加配料控制仪表,可最多完成6路累计配料控制,各路配料可以选择大小给料或单一给料,非常适合于上位机构成复杂的配料控制系统。

Characteristic:

700wc hopper scale controller is a kind of cumulative batching control instrument specially designed for concrete, stabilized soil and other batching systems. It can complete up to 6 routes of cumulative batching control. Each route of batching can select the size or single feeding, which is very suitable for the upper computer to form a complex batching control system.



连接示意图 Connection diagram



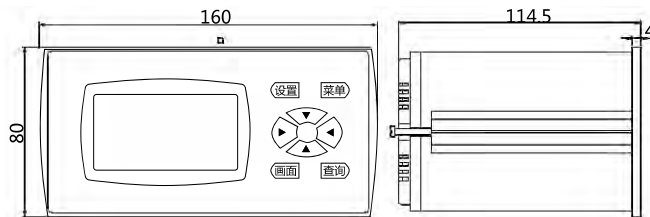
技术指标 Technical index

仪表综合误差	<0.02%
传感器输入接口	可连接 350 欧传感器 4 只
传感器灵敏度要求	1.5mv/v 以上
重量数据范围(含小数部分)	0-32767
总累计值	0.000-1,000,000,000
重量单位可以选择	kg, t
输入接口	4 路, 下拉有效
启动信号输入	D11(Start)
卸料允许	D12
继电器输出	8路继电器输出或 OC 输出
继电器驱动电流为	5A/30VDC、250VAC
模拟输出	12 位, 4-20mA
驱动负载	<=250Ω
通讯接口	RS485 执行 modbus-RTU 协议(从)
外形尺寸	盘装 85×160×125(H×W×D)mm
	开孔尺寸:76*151mm
工作环境	-10-50℃/5-90%RH
工作电源	220V/50Hz ±30% 5-7W

XSR21 显示控制仪表 Display control instrument



外形尺寸 External Dimension



参数表 Parameters Table

基本规格:

项目	规格
电源电压	AC 电源 100~240V AC 50/60 Hz
	AC/DC 电源 10~24V AC 50/60 Hz; 10~24V DC
消耗功率	AC 电源 8 VA 以下
	AC/DC 电源 AC: 7 VA 以下; DC: 6W 以下
允许电压变动范围	电源电压的 90%~110%
绝缘电阻	≥100MΩ (500V DC MEGA 基准)
绝缘强度	2000V AC (测试条件: 50/60Hz, 1 分钟)
抗干扰	IEC61000-4-2 (静电放电), III 级
	IEC61000-4-4 (电快速瞬变脉冲群), III 级
	IEC61000-4-5 (浪涌), III 级
防护等级	IP65 (产品前面板防护) (GB/T42-2008)
运行环境	环境温度 -10~55°C (保存: -25~65°C)
	环境湿度 35~85% R·H, 无凝露
	安装位置 室内, 高度 <2000m

输入规格:

项目	规格
测量控制速度	0.1 秒/每通道
基本误差	±0.2% F · S
显示范围	-99999~99999
通道数	1~4 最多可选 4 通道
输入信号类型	热电阻 Pt100/Cu100/Cu50/BA1/BA2/G53
	热电偶 K/S/R/B/N/E/J/T
	直流电流 4~20mA / 0~10mA / 0~20mA
	直流电压 0~5V DC / 1~5V DC
	毫伏 ±100mV
输入信号类型	远传压力表
	平滑滤波 (滑动平均滤波), 数字滤波 (惯性滤波), 突变延迟滤波

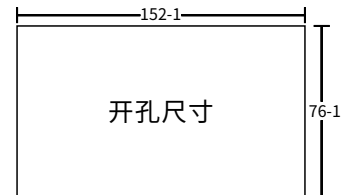
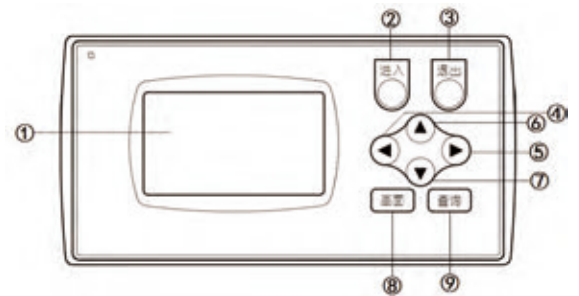
产品综述 Product Reviews

特性:

1. 低功耗设计, 电池使用时间更长
2. 6 位 20mm 字高 LCD 显示
3. 完善的功能:
4. 电池电压检测低压提醒, 欠电关机
5. 保持功能, 锁定重量
6. 空闲模式和自动关机置零、皮重功能
7. 可选串口输出连接大屏幕或电脑

Characteristic:

1. Low power design, longer battery life
2. 6-bit 20 mm high LCD display
3. Perfect functions:
4. Battery voltage detection, low voltage warning, power off
5. Keep the function and lock the weight
6. Idle mode, automatic shutdown, zero setting and tare function
7. Optional serial output connection to large screen or computer



按键功能:

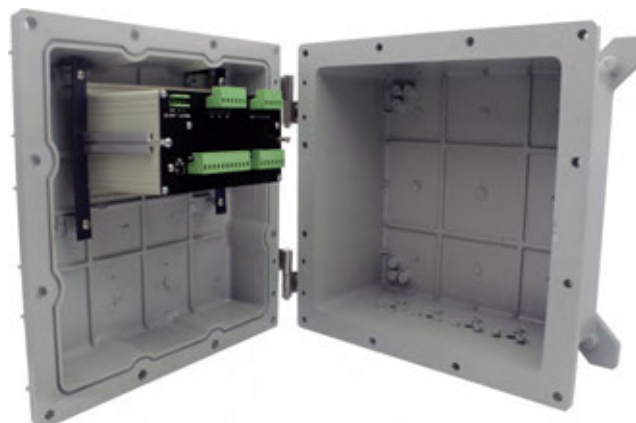
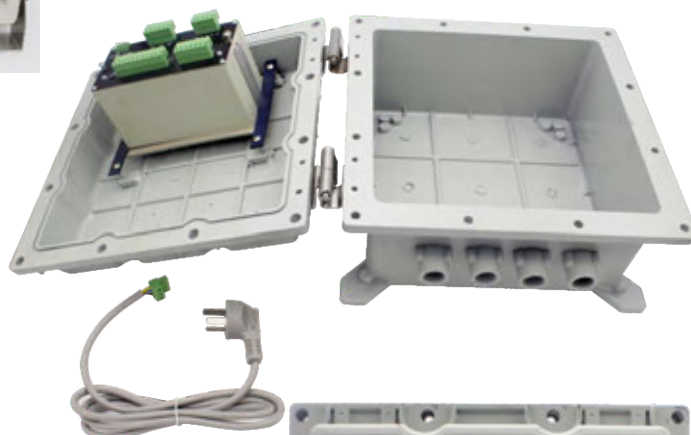
序号	名称	说明
1	显示区	显示各种运行画面和设置画面
2	进入键	选择操作, 进入下一步设置
3	退出键	在设置状态下, 长按退出参数设置 放弃对当前参数的修改
4	左键	测量状态下, 长按打印 设置状态下, 向左移动修改位
5	右键	快速测量状态下, 长按清峰值 设置状态下, 向右移动修改位
6	上键	设置状态下增加参数数值或改变设置类型
7	下键	设置状态下减小参数数值或改变设置类型
8	画面键	切换实时画面显示
9	查询键	切换查询画面显示

选配规格:

项目	规格
报警输出	T1~T4 1~4点继电器预置输出, 250V AC/3A, 阻性负载
模拟量输出 分辨率: 1/3000	A1 电流输出 4~20mA、0~10mA、0~20mA 2路时 A1A1
	A2 电压输出 (1~5)V、(0~5)V, 2路时 A2A2
	A3 电压输出 (0~10)V, 2路时 A3A3
通讯接口	S1 RS232接口, TC ASCII协议
	S2 RS485接口, TC ASCII协议
	M1 RS232接口, Modbus-RTU协议
	M2 RS485接口, Modbus-RTU协议
外供电源	B1 24V ± 5%, 50mA 以下
	B1G 24V ± 5% 100mA 以下
	B2 12V ± 5%, 50mA 以下
	B2G 12V ± 5% 100mA 以下
	B3 精密电源, 一般为 10V ± 2%, 30ppm, 100mA 以下
USB转储接口	USB USB转储
打印接口	P 硬件时钟



防爆仪表箱 Explosion proof instrument box



产品综述 Product Reviews

特性:

防爆仪表本安型称重显示控制器是我公司新近推出的新一代称重显示控制仪表。它采用本安设计技术兼有电池/本安电源二种供电方式。使仪表具有体积小、重量轻、功能齐全及使用方便等特点。产品经国家级仪器仪表防爆安全监督检验站检验认可符合国家标准“GB3836.1/4-2010”爆炸性气体环境用电气设备的有关规定,防爆标志为ExibI CT3。用户可按规定选用本产品应用于相应爆炸性危险场所。

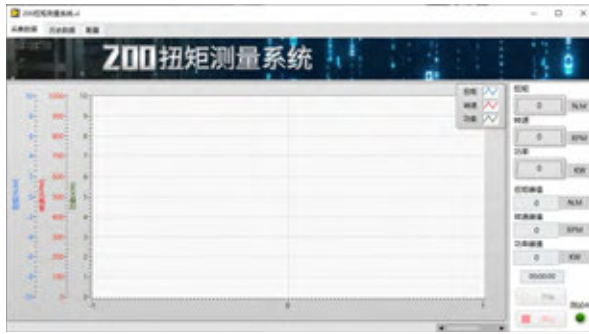
Characteristic:

Explosion proof instrument intrinsically safe weighing display controller is a new generation of weighing display control instrument recently launched by our company. It adopts intrinsically safe design technology and has two power supply modes: battery / intrinsically safe power supply. The instrument has the characteristics of small volume, light weight, complete functions and easy to use. The product has been inspected and approved by the national instrument explosion-proof safety supervision and inspection station, meeting the relevant provisions of the national standard "gb3836.1/4-2010" electrical equipment for explosive gas environment, and the explosion-proof mark is exhibit3. Users can choose this product according to the regulations and apply it to the corresponding explosive dangerous places.

参数表 Parameters Table

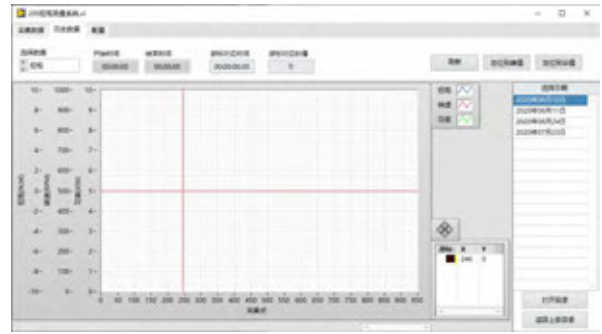
准确度等级	3级, n=3000
采样速度	10-20次/秒
传感器灵敏度范围	1.5~3mV/V
分度值	1/2/5/10/20/50可选
显示	6位LCD显示
传感器激励电源	+5V
使用温度	0~40℃
湿度	≤85%RH
储运温度	-25~55℃
供电电源	标配外接本安型输出电源(型号为AE001)选配 外接本安型输出电池组(代号为DE001)
防爆标志	ExibI CT3

DYN-200扭矩传感器软件 DYN-200 Torque sensor software



采集数据页面

历史数据页面可以导出历史波形, 可对波形进行简单分析, 可生成图片, 导出 excel文件



历史数据页面

配置页面可对串口进行配置, 配置完成后才能连接仪表, 可修改功率/扭矩单位, 三个参数的量程, 扭矩转速的量程等信息

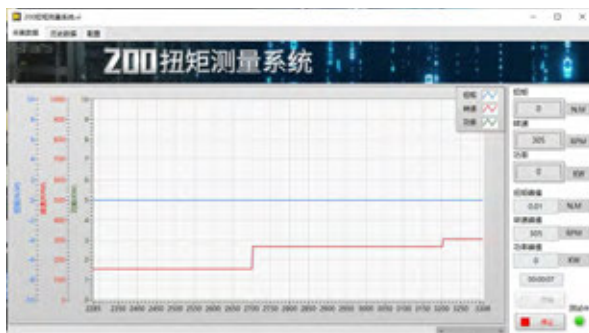


配置页面

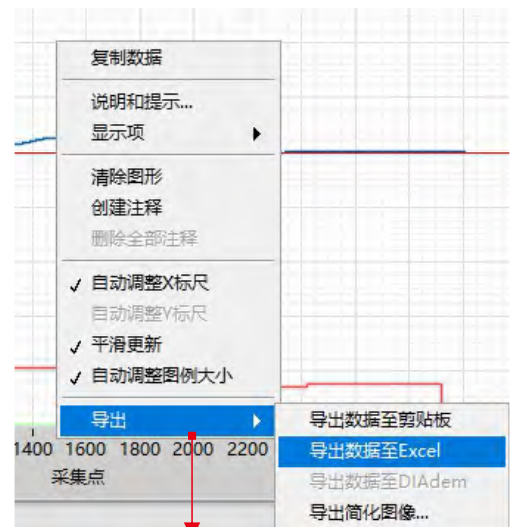
进入配置页面, 选择 485 通信线对应的 COM 口, 将波特率设置为和仪表一致



点击连接仪表, 如果连接成功, 串口状态会变亮, 如果失败会弹出打开失败



主页面



可导出数据至excel



可以拖动游标左右移动
可以在右下角输入 X 坐标
锁定, 可以点击按钮
定位到峰值或者谷值





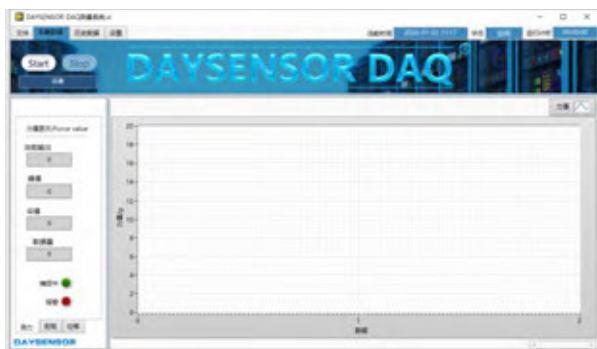
力值测试设置页面

- ① 在设置界面上选择仪表类型为测力, 并选择对应的仪表。
- ② 选择对应的串口, 将波特率设置为和仪表一致, 点击打开串口后连接仪表。
- ③ 选择测力单位, 设置好量程
- ④ 当串口打开后 Start 按钮会亮起, 点击 Start 按钮会自动切换至采集数据页面并开始记录数据。

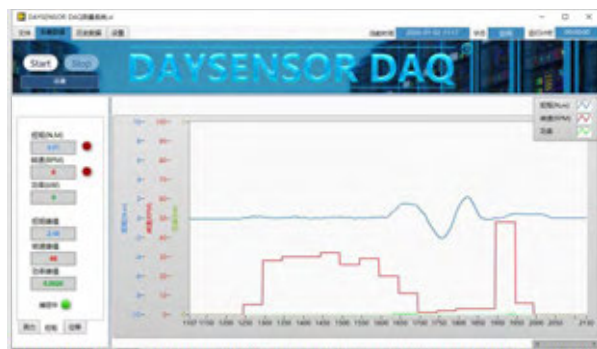


扭矩测试设置页面

- ① 如图所示仪表类型选择为扭矩, 选择对应的仪表。
- ② 选择对应的串口和波特率, 点击打开串口按钮。
- ③ 配置扭矩的功率单位、扭矩单位、小数点位、扭矩量程、转速量程、功率量程
- ④ 点击 Start 按钮自动切换至采集数据页面并开始记录数据。



力值测试界面



扭矩测试界面



运行模式界面

本程序有三种运行模式：

- ① 手动开始手动停止模式
点击 setup 开始测试, 点击 stop 停止测试。
- ② 定时运行模式
设置运行时间和运行次数, 当运行时间大于定时会停止测试, 当剩余运行次数大于 0 时会自动开始测试, 点击 setup 开始测试, 也可以点击 stop 中断测试。
- ③ 门限触发模式
设置波形触发门限, 当数值大于门限自动开始测试, 当数值小于门限停止测试, 此模式可以在无人监管的时候自动保存波形。(扭矩模式下可以选择扭矩、转速、功率之一)。

数据间隔说明: 如果需要测试间隔设置比较长可以开启本模式。比如把记录间隔设置为 10 分钟, 长时间测试可以很方便的分析数据。



储存配置页面

本页面可以配置保存路径, 点击新的路径右侧的按钮可以选择新的保存路径, 点击修改保存路径可以修改保存路径。

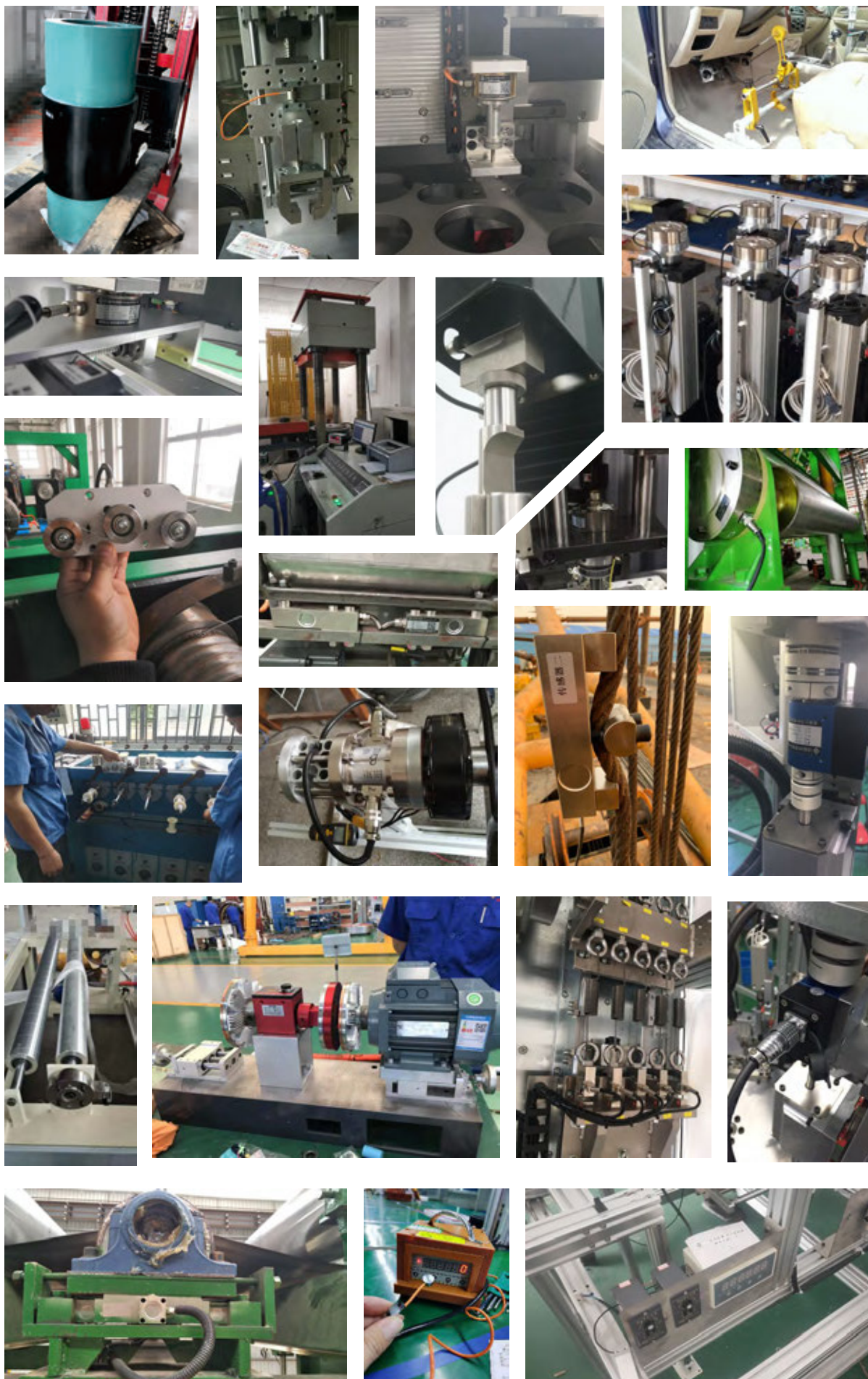
点击恢复默认路径可以恢复默认路径, 默认保存位置为本程序的安装位置。

修改路径后请点击保存配置。

保存设置可以设置为三种：

- ① 记录完成后提示
- ② 不提示, 自动保存
- ③ 不保存





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