

Mfg. Of PROCESS INSTRUMENTS

- Process Indicator Controllers
- Clean room/Pharma Instruments
- Flow Instruments & Flow meters
- Signal isolator convertor
- Sensors and Transmitters
- Flame proof instruments
- Software (SCADA)

PROCESS AUTOMATION

- PLC / HMI / SCADA / DRIVES
- Automations Projects
- Control panel

SERVICE

- Instruments Calibrations
- Validation & Mapping
- ARC / AMC

"Sure for service with hi-end Universal Technology"

Unitech INSTRUMENTS

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Process Indicator Controller

On / Off Controller

- μ P Based Power, full & highly reliable controller.
- Universal Input (Rtd , T/C, 4-20 mA ,0-10 v dc.
- Potential Free Relay contact output up to 1 / 2 / 3 / 4 Nos.
- RS-485/232 communication is available for option.
- Retransmission 4-20 Ma and transmitter power supply.
- Available in 96x96/96x48/48x96 panel mounted size.
- Available in Flame Proof or SS Or MS outer box.



UT-101

PID Controller

- Fully Auto tune facility for errors free operations.
- Universal Input T/C, RTD, Linear Input selection.
- High degree of functionality and reliability at a competitive Price
- RS-485/232 communication is available.
- Retransmission 4-20 Ma and Transmitter power supply.
- Available in 96x96/48x48/48x96 panel mounted size.
- Available in Flame Proof or SS Or MS outer box.
- Different control output available like 4-20 /relay/ssr etc..



UT-15XX

Dual channel Process Indi. Controller

- Dual channel universal Input in compact housing.
- 2 nos Universal Input T/C, RTD, Linear Input selection.
- 2 Nos. Potential Free Relay contact output for each channel.
- RS-485/232 communication is available for option.
- 2 nos. Retransmission 4-20 Ma and Transmitter power supply.
- High degree of functionality and reliability at a competitive Price
- Available in Flame Proof or SS Or MS outer box.



UT-201

Multi Channel Indicator

- μ P Based Power, full & highly reliable controller.
- Universal Input (Rtd , t/c, 4-20 mA ,0-10 v dc.
- 4/6/8/12/16/20/24 channel Indicator available.
- RS-485/232 communication is available for option.
- All channel are fully isolated with Transmitter power supply.
- Available in Flame Proof or SS Or MS outer box.



UT-301

Loop Power Indicator

- 4-20 mA loop current input
- Fast display update rate and bright LED display.
- Linear or square root input selection
- Weather proof or Flame proof housing
- Fully programmable range with decimal point
- Loop voltage drop less than 2 volt



UT-601

Large Display Indicator

- Large LED display size 2"/4"/6"/8"/12"/16" available.
- IP-55 and IP-65 housing available.
- Hanging /Rack/wall/panel mounting options.
- Universal Input T/C, RTD, Linear input selection.
- Potential Free Relay contact output up to 1 / 2 / 3 / 4.
- All Configurations and calibration from front panel keypad.
- Retransmission and RS-485/232 communication Available.



UT-1801

DP Indicator and Sensor.

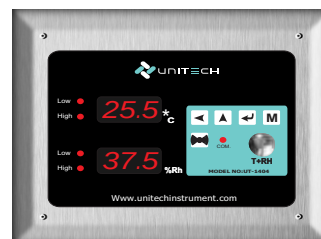
- μ P Based Power, full & highly reliable controller.
- Indicator with inbuilt Room Pressure measurement in single enclosure.
- Potential Free Relay contact output (On/Off type)
- Retransmission 4-20 Ma and RS-485/232 communication.
- Diffrent Range Available(10 mm / 25 mm / 100 mm /200 mm/ 500mm)
- Available in Flame Proof or SS or MS outer box.
- Inbuilt buzzer to audible process value violation.



Flame Proof Model Available UT-1401

Clean Room Indicator -Temp. + humidity

- FDA 21 CFR part 11 - GMP-4 compatible.
- Indicator with inbuilt Temp. + RH measurement in single enclosure.
- Incorporates highly stable built-in or Remote Temp.+ RH sensor.
- Process parameter Hi and Low LEDs. Status indi. For both channel.
- Inbuilt buzzer to audible process value violation.
- MODBUS RTU multi drop RS-485 serial comm. for PLC, SCADA, etc.
- Compact, All Stainless Steel enclosure with 35 mm depth.
- Ex. Flameproof model available for Hazardous applications.



Flame Proof Model Available UT-1404

Clean Room Indicator -Temp. + Room Pressure(DP)

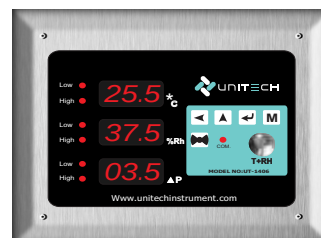
- FDA 21 CFR part 11 - GMP-4 compatible.
- Indicator with inbuilt Temp. + DP measurement in single enclosure.
- Incorporates highly stable built-in or Remote Temp.+ DP sensor.
- Process parameter Hi and Low LEDs. Status indi. For both channel.
- Inbuilt buzzer to audible process value violation.
- MODBUS RTU multi drop RS-485 serial comm. for PLC, SCADA, etc.
- Compact, All Stainless Steel enclosure with 35 mm depth.
- Ex. Flameproof model available for Hazardous applications.



Flame Proof Model Available UT-1405

Clean Room Indicator - Temp. + RH + DP

- FDA 21 CFR part 11 - GMP-4 compatible.
- Indicator with inbuilt Temp. +RH+ DP measurement in single enclosure.
- Incorporates highly stable built-in or Remote Temp.+ RH+DP sensor.
- Process parameter Hi and Low LEDs. Status indi. For three channel.
- Inbuilt buzzer to audible process value violation.
- MODBUS RTU multi drop RS-485 serial comm. for PLC, SCADA, etc.
- Compact, All Stainless Steel enclosure with 35 mm depth.
- Ex. Flameproof model available for Hazardous applications.



Flame Proof Model Available UT-1406

Clean Room Indicator - Temp. + RH + DP + Time

- FDA 21 CFR part 11 - GMP-4 compatible.
- Indicator with inbuilt T+RH+DP+Time measurement in single enclosure.
- Incorporates highly stable built-in or Remote Temp.+ RH+DP sensor.
- The clocks in the network displays are same time simultaneously.
- Inbuilt buzzer to audible process value violation.
- MODBUS RTU multi drop RS-485 serial comm. for PLC, SCADA, etc.
- Compact, All Stainless Steel enclosure with 35 mm depth.
- Ex. Flameproof model available for Hazardous applications.



Flame Proof Model Available UT-1207

Clean Room Indicator / Pharma Instruments

Temp +Rh Indicator Controller.

- µP Based Power, full & highly reliable controller.
- 2 nos Input(4-20 Ma/0-10v dc/ 0 to 2v dc/ 0- 5v dc)
- Potential Free Relay contact output For Temp+ Rh (On/Off type)
- Retransmission 4-20 Ma and RS-485/232 communication.
- 24V / 5V Transmitter power supply.
- Available in Flame Proof or SS or MS outer box.
- Sensor also Available (Duct mounted ,wall mounted ,FLP)



Flame Proof Model Available UT-1408

Synchronizes Digital Clock (Master & Slave)

- FDA 21 CFR part 11 - GMP-4 compatible.
- The Master/Slave clocks finds application in processes where Time synchronization is required.
- The MASTER clock can be connected to Server or GPS.
- The SLAVE clocks are connected to the master on RS485 port.
- Specially Designed for Clean Room Environment.
- Flicker-free Bright Red/Green 7-Segment LED Display(0.8"/2 "/4")
- Compact, All Stainless Steel enclosure with only 35 mm depth.
- Ex. Flameproof model available for Hazardous applications



Flame Proof Model Available UT-1410

Large Temp. + RH + Time Display.

- Large display size 2"/4"/12" available.
- IP-55 and IP-65 housing available.
- Real time display with rechargeable battery backup
- Hanging /Rack/wall/panel mounting options.
- Highly stable built-in or Remote Temp.+ RH sensor.
- Potential Free Relay contact output up to 2 nos.
- All Configurations and calibration from front panel keypad.
- Retransmission and RS-485/232 communication Available.



Flame Proof Model Available UT-1802/3

Conductivity Indicator with Sensor

- Advanced embedded micro controller based design
- Available in panel type, field type, and Flame proof and IP version
- Automatic Or Manuals Temperature Compensation
- Multi parameter display by a key press.
- Check facility for quick analysis.
- Two Programmable isolated relay outputs.



Flame Proof Model Available UT-1411

Ph Indicator with Sensor

- High degree of accuracy 0.01 pH
- Auto/man. Temp. Compensation
- Auto buffer for quick analysis. High input impedance
- Isolated Transmitter for remote monitoring
- Front Panel calibration of pH-4 and pH-7
- Optional printer interfacing.
- Panel Mounting flame-proof enclosure



Flame Proof Model Available UT-1412

Flow Rate Indicator Totaliser

- Accepts Universal inputs – 4-20 mA or 0-10 V or pulse(2 or 3 wire).
- Non-volatile memory to retain Totaliser flow,
- Liner or Square root input selections with 0.1% Accuracy.
- 8/10 digit Flow Totaliser with password protected resetting.
- Retransmission and RS-485/232 communication Available.
- Weather proof or flame proof housing.
- GSM mobile connectivity for wireless remote reading purpose.(sms)



UT-1201

Mass Flow Totaliser

- The Instrument can be configured to work on Steam Natural gas or any gas.
- Accepts up to three inputs– FLOW(mA), PRESSURE(mA), TEMPERATURES (RTD)
- Gives efficient Pressure and Temp. Compensations for Mass Flow Calculations.
- Retransmission and RS-485/232 communication Available.
- Calculates Flow rates in NM3/Hr. or SM3/Hr. – as selected.
- 8/10 digit Flow Totaliser with Password protected Resetting.
- Weather proof or flame proof housing.



UT-1203

Batch Controller

- Accepts Universal inputs – 4-20 mA or 0-10 V or pulse(2 or 3 wire).
- Maximum 4 C/O on Batch values generated.
- Liner or Square root input selections with 0.1% Accuracy.
- All standard Batch Functions included Like Start Stop and Pause
- Retransmission and RS-485/232 communication Available.
- Weather proof or flame proof housing.
- GSM mobile connectivity for wireless remote reading purpose.(sms)



UT-1206

Loop Power Totaliser

- 4-20 mA loop current input.
- 8/10 digit Flow Totaliser with password protected resetting.
- Liner or Square root input selections with 0.1% Accuracy.
- Weather proof or Flame proof housing.
- Non-volatile memory to retain Totaliser flow,
- Loop voltage drop less than 2 volt.



UT-1211

Steam Flow Totaliser

- The Instrument can be configured to work on Super heated or saturated steam.
- Accepts up to three inputs– FLOW(mA), PRESSURE(mA), TEMPERATURES (RTD)
- Gives efficient Pressure and Temp. Compensations for Mass Flow calculations.
- Retransmission and RS-485/232 communication Available.
- Suitable with Vertex flow meter, Orifice Flow, Venturi & Vereabar computations.
- 8/10 digit Flow Totaliser with password protected resetting.
- Weather proof or flame proof housing.



Superheated and Saturated UT-1209

Gas Flow Totalizer - MASS

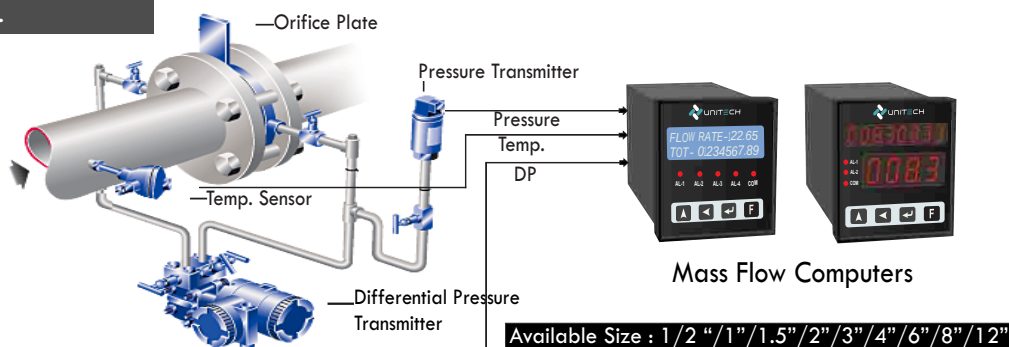
- The Instrument can be configured to work on any gas.
- Accepts up to three inputs– FLOW(mA), PRESSURE(mA), TEMPERATURES (RTD)
- Gives efficient Pressure and Temp. Compensations for Mass Flow calculations.
- Retransmission and RS-485/232 communication Available.
- Calculates Flow rates in NM3/Hr. or SM3/Hr. – as selected.
- 8/10 digit Flow Totaliser with password protected resetting.
- Weather proof or flame proof housing.



UT-1207

Flow managements Computer software available for All Models.

Orifice Type Flow Metering.



- These meters are based on the principal of differential pressure generated by Orifice element.
- Mainly Suitable for Gas And Steam Flow.
- Integral type Orifice flange assemble available for small line size.
- On line density compensation For very accurate results with 0.5 % of FS Accuracy.
- Real time display Process variables(Temperature and Pressure) and calculated results(Instantaneous flow, accumulated quantity etc..)
- Main output modes : 4-20 mA Flow operation , RS485 Comm. interface, hi and low limits alarm outputs.
- Highly Reliable and Repeatable System, No Moving Parts & Easy for on site Calibration.
- Various type of accessories Available like Needle valve Gate valve Manifolds with or without IBR Approvals.
- Various model of mass flow integrator for diffract gas and steam(Super heated & saturated)
- RS-485/232 communication Available for Data logging & Remote Reading.
- GSM mobile connectivity for wireless remote reading purpose(sms).

UT-2001

Oval gear Type Flow Meter -Mk

- Fuel Flow Sensor measuring principle is oval gear positive displacement flow meter
- Flow range : (80~1,500L/H) : 0.0085 P/L
- Accuracy (standard installation position) : 1%RS
- Fluid Temperature: -40 to 80 C
- Maximum working pressure: 10 KG (35~85%RH)
- Power voltage: 3 - 24V DC
- Output signal: NPN Open collector
- Aluminum anodize Material of construction:
- Major fluids : kerosene, Gasoline, Diesel, light oil, Heavy oil



UT-2004

Magnetic Flow Meter -Mk

- Sizes ranging from DN 10 – DN 300
- Accuracy $\pm 1\%$ of actual flow rate
- Pulse & Isolated 4-20 mA output
- No pressure drops in process.
- Easy maintenance as no moving parts
- Four Numbers of Keys for Parameter Programming
- RS 232 port for Computer/Printer Interfacing.
- Empty Tube Detection and Indication
- Suitable to conductive liquids $\geq 5 \mu\text{S/cm}$
- 2 Line Alpha numeric Or LED display.
- Protection : Cast Aluminum IP65 field / wall mounted
- Process Temp: 150 degree max. Lining : PTFE / Rubber / PP



UT-2003

Water Flow Meter(Turbine) -Mk

- Water flow sensor mini turbine base : BT-DFS-400
- Flow range : up to 150 litter/minuit
- Standards accuracy : 2.0% fsd
- Working voltage : 4.5 to 24 VDC
- Working pressure : 0 to 12 bar
- Working temp : up to 120 deg c
- Body Material : PA66+GF30
- Available size : 0.5 " / 1 " / 1.5 "
- low electric level : higher than 0.5 VDC



UT-2002

Universal Input Single Isolators.

- Microcontroller based Slim & Compact design (22.5 mm width).
- Different type input like Milliamp, Volt, RTD, T/c.
- Supplemented with 1, 2, Isolated outputs for one input option.
- Frequency or load cell inputs available.
- 1.5 KV 3 Port Isolation & 0.25% Accuracy of FSD.
- Design as per requirement of IEC & CE Standard.
- 24VDC/220VAC/110VAC with 4 wire isolation.
- All Configurations and Calibration from front panel keypad.
- Modbus serial (RS 232/485) interface facility.
- Transmitter loop power supply with current limit as standard.



UT-1101

Signal isolator With Display.

- μ P Based Slim & compact design (45.5 mm width).
- Supplemented with 1, 2, 3, 4 isolated outputs for one input option.
- AC/ DC volt, AC / DC current, milliamp, millivolt, RTD, Thermocouple.
- High bright 4 Led seven segments display. in dinrail housing.
- 1.5 KV 3 Port Isolation. & 0.25% Accuracy of FSD
- Design make as per requirements of IEC Standards & CE standards
- 24VDC/220VAC/110VAC/, 4 wire type isolation.
- All Configurations and calibration from front panel keypad.
- Highly communicative serial interface facility (RS 232/485).
- Transmitter loop power supply with current limit as standard..
- 4 digit display for local configuration and Process Value Indicator.



UT-1104

Dual Input Signal isolator

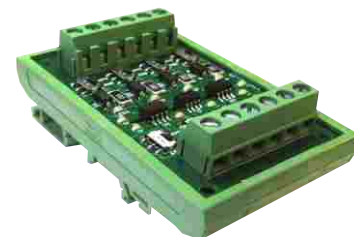
- Microcontroller based fully isolated design.
- Supplemented with 1, 2,3,4 Isolated outputs for one input option.
- Milliamp, millivolt, RTD, Thermocouple,
- 2 nos universal input in compact housing.
- 1.5 KV 3 Port Isolation & 0.25% Accuracy of FSD.
- Design as per requirement of IEC & CE Standard.
- 24VDC/220VAC/110VAC with 4 wire isolation.
- All Configurations and Calibration from front panel keypad.
- Highly communicative serial (RS 232/485) interface facility.
- Transmitter loop power supply with current limit as standard.



UT-1103

Card base Signal isolator

- Micro controller based fully isolated design
- Supplemented with 1, 2, Isolated outputs for one input option.
- Different input like current, milliamp, mill volt, RTD, Thermocouple.
- Slim & Compact din rail card base design.
- 1.5 KV 3 Port Isolation & 0.25% Accuracy of FSD.
- Design as per requirement of IEC & CE Standard.
- 24VDC/220VAC/110VAC with 4 wire isolation.
- All Configurations and Calibration from front panel keypad.
- Highly communicative serial (RS 232/485) interface facility.
- Transmitter loop power supply with current limit as standard.



UT-1105

Signal Converter.

- Microprocessor based Slim & Compact din rail design.
- Supplemented with 1, 2, Isolated outputs for one input option.
- 1.5 KV 3 Port Isolation & 0.25% Accuracy of FSD.
- 24VDC/220VAC/110VAC with 4 wire isolation.
 - Mv To mA/ V
 - Resistance To mA/ V
 - Ac/DcV To mA/ V
 - Ac/Dc Amp To mA/ V
 - Load cell To mA/ V



UT-1102

Alarm Annunciator

- Individual legends for each window, replaceable from the front.
- Potential free contact or 230V AC input optional.
- Wide range 4/6/8/12/16/24/32/40 windows.
- Standards operating systems with Test, Accept and Rest keys.
- NO/NC type of faults selectable at site
- Photo negative or photo positive legends.
- Available in Flame Proof or SS Or MS outer box.



UT-7xx

Rpm /MPM indicator controller

- Accepts pulses form of PNP \NPN proximity ,encoder, limit switch
- Programmable multiplication and division factor.(pulses/revolution)
- Can operate with max frequency up to 25kHz.
- Fast response time as fast as input frequency.
- Optional Retransmission 4-20 Ma and transmitter power supply.
- Upto four no of potential free contact outputs.
- RS-485/232 communication is available for option.



UT-801

Multi functional Timers

- All timer function in a single unit.
- Function programmable from the front keys.
- On delay, off delay, cyclic timer(on first or off first),auto reset, manual reset, counter, sequential timer(up to 20 on/off time)
- Remote or local control selectable.
- Max two nos. potential free contact output.
- Time unit selectable(ie. Second, minute, hour)
- Flash EEPROM for storing programmed data.



UT-1601

Multi functional Counter.

- Accepts pulses form of PNP \NPN proximity ,encoder, limit switch
- Programmable multiplication and division factor.(pulses/revolution)
- Resolution is of max. 4 digits with auto decimal point switching.
- Can operate with max frequency up to 1KHz.
- Fast response time as fast as input frequency.
- 2 no of potential free contact outputs.
- RS-485/232 communication is available for option.



UT-9002

Digital Pressure Gauge

- Accurate and versatile Digital Pressure Measuring Instrument.
- Customized large character display showing pressure with Units, Low Batt, min, max.
- Hand held type with 1000 Hrs Continues battery back up.
- Range Available from -1 to 700 Kg/cm2.
- Compatible with Air, Liquid & Gases SS 304 Stainless Steel,
- 5 DGT (Seven Segment) 1.5 mm High Customized LCD



UT-1301

Manual Loader.

- Input Impedance 150 Ohms.
- 4 Digit 12.5 mm Size LCD Display.
- Range/Decimal Point selectable through jumpers.
- 230V/110V Ac or 24 V DC Powered supply.
- Available in different housings.
- Zero span adjustable up to 10% of the range. THR, KEYS



UT-401

Sensor and Transmitter

Universal temp. Transmitter

- Accepts T/C and 2- or 3-wire RTD sensors
- Field programmable with easy to use MS Windows 7-based configuration software and a PC
- Consistent sensor break function
- Full access to all features while in operation
- Temperature linear output
- Easy wiring with a large center hole.
- Zero span local adjustments.
- Hade mounted and Din Rail model available.



Flame Proof Model Available UT-9001

Temp+ Humidity Transmitter

- Wall mounting, chamber mounting, duct mounting and flame proof housing available
- Front S S filter for basic sensor protection incase of water condensing, dust and powder
- Fast response time and stable, low drift performances.
- Liner voltage output Vs humidity full range.
- Loop voltage droop less then 2 volts
- High accuracy and low power consumption.
- 4-20 Ma Or 0-10 /05 V optional Output.
- Compact Size for Mounting Versatility
- Accurate to 2.5% RH and 0.6°C



Flame Proof Model Available UT-1402/3

Pressure & Vacuum Transmitter -Mk

- Long term stability batter then $\pm 0.1\%$ FS/Yr
- 0.25 % Full spna Accuracy.
- Fully ss 316 body.
- choiec of ma V or retiometric output
- Mets CE and EMC Standards.
- Stability :0.1 % for FS/2years.
- Accuracy :0.25 % on FS.
- Thin fill technology for long time stability.
- Range : 0-10,16,40,50,60,100,160,200,300,400,700,1000 bar
- Vacuum range : -1 to 0/-1 to 1/ -1 to 3/ -1 to 5 bar



Flame Proof Model Available UT-9003

Vibration Transmitter or switch -Mk

- Velocity range: 0-12.5, 0-25, 0-50 mm/s (factory selectable)
- Vibration is measured in terms of r. M. S and peak to peak
- Range cal be re-calibrated loop powered buffer output.
- Vibration Transducer VSF 1F is a Piezo-electric accelerometer of compression
- CTC Accelerometers feature a dual case design to insure that EMI and RFI will not interfere with you vibration signals.
- Accelerometer mounting thread 6 mm with Stainless Steel Casing,
- Piezo electric type Charge Sensitivity 10Pc/m/SÅ² Linear frequency Range 1 â€ 2000 Hz
- Vibration protection and monitoring of critical industrial machineries like :Cooling fans •Engine •Compressor •Pump •Motor



UT-9004

SSR & Thairestor -Mk

- DC To AC Solid State Relay : LOAD- ,25,50,70,90,110 AMP
- Three Phase Solid State Relay : LOAD- 25,50,70,90,110 AMP
- DC To DC Solid State Relay :LOAD- 10,25,50, AMP
- F/R Three Phase Solid State Relay :LOAD- 25,50,70,90,110 AMP
- AC To AC Solid State Relay :LOAD- 25,50,70,90,110 AMP
- Short Circuit Protected Solid State Relay :LOAD-25,50,70,90,110 AMP
- SCR (Thyristor) Power Controller :LOAD- 25,50,70,90,110 AMP
- 3PH SCR (Thyristor) Power Controller :LOAD- 25,50,70,90,110 AMP



UT-9005

"Sure for service with hi-end Universal Technology"



Flame Proof universal Indicator.

- μ P Based Power, full & highly reliable controller.
- Universal Input (Rtd , t/c, 4-20 mA ,0-10 v dc.
- Transmitter loop power supply with current limit as standard
- RS-485/232 communication is available for option.
- Retransmission 4-20 Ma and transmitter power supply.
- Flame proof low cost and compact size controller.
- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I. ,CCOE



UT-101-FI

Flame Proof universal Controller(On/Off ,PID)

- Fully Auto tune /on/off Control operations.
- 1/2 nos. Universal Input T/C, RTD, Linear Input selection.
- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I.,CCOE
- RS-485/232 communication is available for option.
- Retransmission 4-20 Ma and transmitter power supply.
- Relay/ SSR/4-20 Ma/0-10 V dc Control Output.
- Available in Flame Proof or SS Or MS outer box.
- Dual channel input Options Available.



Ut-101-FC

Flame Proof Multi channel Indicator

- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I.
- Low cost and compact FLP housing at best reliability.
- Universal Input (Rtd , t/c, 4-20 mA ,0-10 v dc.
- 4/6/8 channel Indicator available.
- RS-485/232 communication is available for option.
- All channel are fully isolated with Transmitter power supply.



UT-301-FI

Flame Proof Flow Indi. cum Totaliser

- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I.
- Accepts Universal inputs – 4-20 mA or 0-10 V or pulse(2 or 3 wire).
- Non-volatile memory to retain Totaliser flow,
- Liner or Square root input selections with 0.1% Accuracy.
- 8/10 digit Flow Totaliser with password protected resetting.
- Retransmission and RS-485/232 communication Available.
- Volumetric flow/mass flow and batch controller can gives in FLP box



UT-1201-F

Flame Proof Process Scanner & Data Logger

- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I.
- Low cost and compact FLP housing at best reliability.
- Universal Input (Rtd , t/c, 4-20 mA ,0-10 v dc.
- 4/8/12/16/20/24 channel Indicator available.
- RS-485/232 communication is available for option.
- All Standard function available like skip/hold /scroll etc...
- Group relay Relay output Option.



UT-1001-F

Flame Proof Alarm Annunciator.

- I, IIA,IIB, IP 65 as per IS 2148/1981,certified by C.M.R.I.
- Individual legends for each window, replaceable from the front.
- Potential free contact or 230V AC input optional.
- Wide range up to 24 windows.
- Standards operating systems with Test, Accept and Rest keys.
- NO/NC type of faults selectable at site
- Photo negative or photo positive legends.



UT-701-F

COMPUTER SOFTWARE (SCADA)

Universal Software - Unilink

- All Standard compliance system. with Server/Client Connectivity.
- Runs under all current Windows versions (98SE/ME/2000/XP W7)
- Multiple Level of Security for users with access rights & password
- Data can be exported to MS Excel, Rtf Format. Etc
- Flexible System Can add as many monitoring nodes. Like Indicator Controller / Flow totaliser /PLC /HMI/ scanners / data logger etc..
- Can connect Our all Product range.
- Real time Data Monitoring and treading.
- Measured value recording and archiving and Reporting.
- Solution available in both options Wired/Wireless
- Customized report for Regulatory Requirement



UT-1901

Clean Room Data logging - UniDatlog.

- GEMP-5 / 21 CFR Part 11 compliance system
- Server/Client Connectivity
- Multiple Level of Security for users with access rights & password
- Audit Trail report and electronic report.
- Flexible System Can add as many monitoring nodes. Like Temp. Humidity/Air Flow/Room Pressure /Synchronized time
- Alarm messaging with priority change
- Real time Data Monitoring and treading.
- Measured value recording and archiving.
- Regulatory compliance as per cGMP guidelines.
- Solution available in both options Wired/Wireless
- Customized report for Regulatory Requirement



UT-1902

Remote Data Logging Systems.

- Server base Enterprises solution.
- Multiple Level of Security for users with access rights & password
- Flexible System Can add as many monitoring nodes.
- GSM ,GPRS connectivity base wireless remote data logging.
- Real time Data Monitoring and Treading. Recording and Archiving.
- Customized report for Regulatory Requirement.
- Different task utility Felicity like Inventory , Recalculation, Daily Transaction, loading, uploading etc..



UT-1903

Customised software

- Flow Managements Software. UT-1904
- ETO Gas Sterilization Software UT-1905
- Steam Sterilizations Software UT-1906
- Power Managments Software UT-1907
- Valve Test Batch Software UT-1908
- TOC /Ph/ Flow and So2 Dat logging Software for ETP UT-1909

UT-1909

Calibration

On Site / Off Site

In Today's industries proper and efficient working measuring and other instruments are the ones that determine the Quality and Accuracy of Final product. Therefore Unitech Instrument provide calibration and validation service. We are an ISO 9001:2008 certified company, Counted as the most reliable service provider, we offer highly specific and trusted services like calibration, validation mapping and testing of various Pharmaceutical and Industrial process and measuring instruments

Unitech Instrument's Masters Instruments are of Reputed Manufacturer, Very Reliable & Accurate. We are doing Cyclic Calibration of our Master Instruments from NABL Accredited Labs. We are also carried out Calibration at Customer's end. We are following all standard rules and standard processes while carrying out the Calibration. Our Calibration Services are audited by various reputed Pharmaceutical Companies. We maintain all calibration record and documentation like SOP, Raw Data Sheets, instruments list and Calibration Certificate. We are giving reference copy of NABL Traceability with our Cal. Certificates.



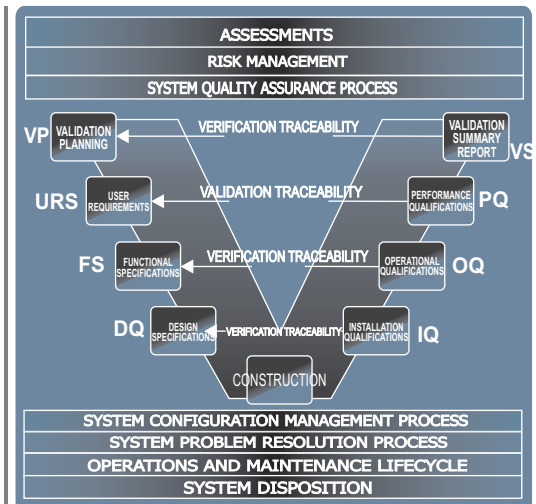
Calibration Of Sensor, Indicator, Controller(Pressure Temperatures, Humidity, Flow ,Level, Ph ,Conductivity etc...)

Validation

Our services include Risk Assessments, Validation Plans, Business/User & Functional Requirements ,IQ/OQ/PQ Protocol Analysis and Output Summary Documentation. All items are integrated through a Traceability Matrix established within your existing CSV model. Lean on us to draft requirements, create test cases, and perform all validation and documentation work. Finally, we will integrate the requirements and test cases with businesses proprietary SOP's.

We follow internationally accepted GAMP guidelines for Validation of Computerized Systems & Software applying Risk Based Approach with Life cycle Management

- LAB System Validation • IT Infrastructure Qualification • BMS
- PLC & SCADA Validation • US FDA 21 CFR Part – 11 Compliance
- Maintaining Control In Operation (MCO) Services



Mapping

(Temp. & Humidity)

We have proper Documentation methods meeting Current requirements. Our Doc consist of Basic Temperature Mapping Data, Trends, Min. & Max. Temperature, Standard Deviation, Lag Time Calculation, Identification of Hot & Cold spots, we also provide Graphical Presentation of Temperature V/s Time, Diagram Indicating Sensor location & Validation Summary / conclusion and Certificate etc

We are doing Mapping of Trey Dryer, Vacuum Tray Dryer. Fluid Bed Dryer(FBD) Incubator, Sampling room, dispensing room, QC Lab Sterilizer, Autoclave, DHS, Dehydrogenation Tunnels, Ovens, Warehouse, RM Stores, Labs, Production Area, Stability Chambers, Refrigerators, Freezers, Cold Chambers, Water Baths, Muffle Furnace, Other QC Equipments.



Instruments Erections and commissioning

Man Power Supply

Third party Inspection and Calibration

Software Up Gradation and Validation

"Sure for service with hi-end Universal Technology"



Automation Products

PLC	AB / Siemens / ABB / Crouzet / Thinget
HMI	AB / Siemens / Touch win / Unitech
SCADA	AB / Siemens / Touch win / Unitech / Delta
VFD	AB / Delta / L & T / ABB
SERVO	AB / Crouzet / Thinget



Project and Experience

Pharma Projects

- Clean Room Data logging Systems (Temperatures + Humidity + Room Pressure)
- BMS/AHU Automation Systems.
- Reactor & Utility Automation Systems
- Fuel Farm Automation
- Strilizer control systems (Steam and ETO)

Instrument Base Automation

- Power Management And Logging Systems
- On Line Data Monitoring and Logging Sys.
- Flow Monitoring and management Sys.
- Multy channel Process parameters monitoring.
- Batch Control Systems.

Process Automation

- Coal Handling Automation
- Kill Automation
- Aviation Fuling Control Automation
- Remote Petrol Pump Monitoring Automation
- Furnace & boiler Automation
- Railway Sleeper Plant Automation.
- Enameled Wire manufacturing plant Auto.
- Heavy duty Dryer automation
- Full Co2 Plant Automation

Machine Automation

- Valve testing banch Automation
- Steam Sterilizer Automation
- ETO Gas Sterilizer Machine Auto.
- Hydro Testing Machine Auto.
- Automatic Gas Filling Machine
- Ultrasonic Cleaner Machine Auto.
- Paint Coting Machine Automation
- Automatic Bus Washing Machine.
- Terminal Testing Machine Auto.

Control Panel

- Plc & Hmi Base Control Panel
- Desk Type Control Panel
- Panel Instruments Panels(SS & MS)
- IP Protected Double Door Panel
- Flame Proof Panel
- Small Power Distribution Panel



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