

FUTEK MODEL LRF300 (L2320) LOW PROFILE TENSION AND COMPRESSION LOAD CELL

STK# FSH00072

Drawing Number: FI1068-B

INCH [mm] R.O.= Rated Output

WIRING CODE (WC1)

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE

Shield
FLOATING

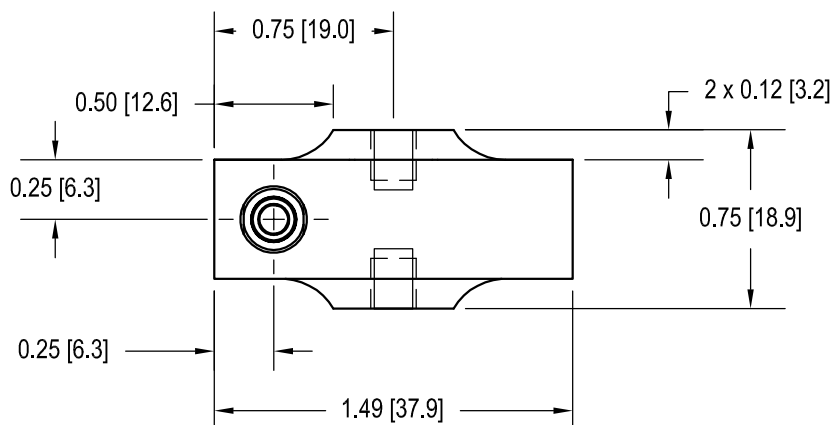
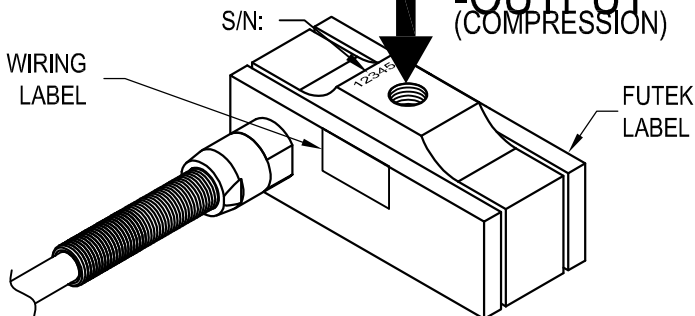
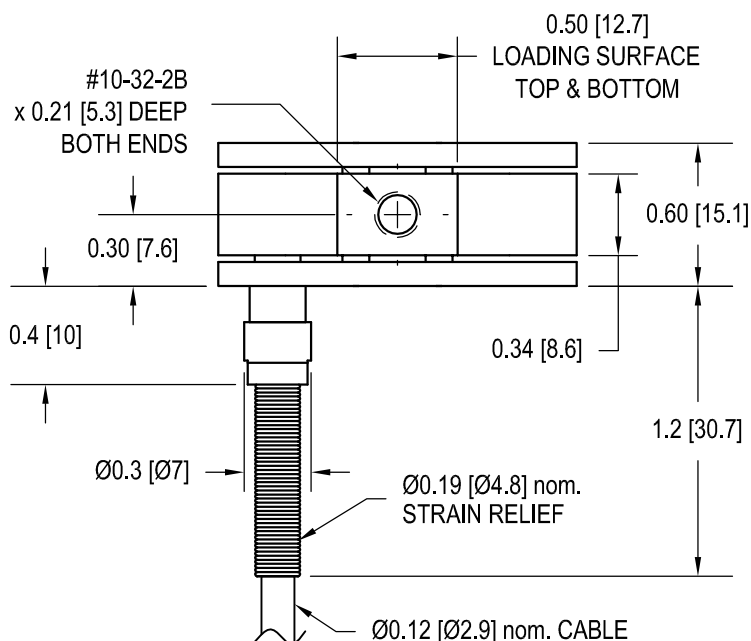
FUTEK WIRING LABEL

S/N:

+OUTPUT
(TENSION)

-OUTPUT
(COMPRESSION)

FUTEK LABEL



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	10lb [44.5N]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.1% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.05% of R.O.
CREEP	±0.05% of LOAD
TEMP. SHIFT ZERO	±0.005% of R.O./°F [0.01% of R.O./°C]
TEMP. SHIFT SPAN	±0.005% of LOAD/°F [0.01% of LOAD/°C]

COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
WEIGHT	1.5 oz [43g]
MATERIAL(FLEXURE)	ALUMINUM
MATERIAL(COVER)	ALUMINUM, Red Anodized after S/N:373184
DEFLECTION	0.002 [0.05] nom.
CABLE: #28 AWG, 4 Conductor, Spiral Shielded Clear PVC Cable 10 ft [3 m] Long	
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CERTIFICATE OF CONFORMANCE (STD) TENSION	
CALIBRATION (AVAILABLE)	5 pt. TENSION/COMPRESSION
	60.4 K Ω SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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