

FUTEK MODEL LCA300

MINIATURE COLUMN LOAD CELL

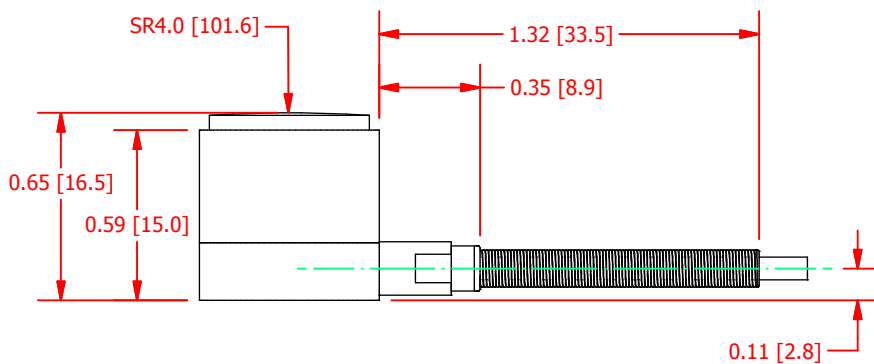
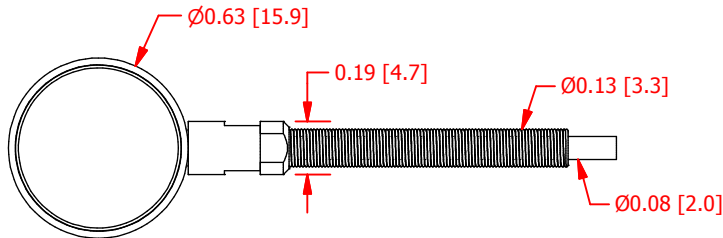
DRAWING NUMBER: FI1168-A

INCH [mm] | R.O.= Rated Output

WIRING CODE

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

+OUTPUT
(COMPRESSION)



ITEM #	CAPACITIES	
	lb	N
FSH03814	2K	8896
FSH01766	3K	13344
FSH01767	5K	22240

SPECIFICATIONS:

RATED OUTPUT	1.3 mV/V (2K lb), 2 mV/V (3K-5K lb) nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O. (2K lb), ±2% of R.O.(3K-5K lb)
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	350 Ω nom
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (15 to 72 °C)
OPERATING TEMP	-60 to 200°F (-50 to 93°C)
MATERIAL	17-4PH S.S.
DEFLECTION	0.002 [0.051]
CABLE #29 Awg, 4 Conductor, Spiral Shielded Teflon Cable, 10ft [3] Long	
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5 pt COMPRESSION; 100KΩ (2K lb), 60.4KΩ (3K-5K lb) SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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