



FEATURES

- Environmental Protection
- Water Resistant and Outdoor Rated
- Miniature size
- Fast response and low deflection
- Quick Disconnect Cable
- For use in both tension and compression

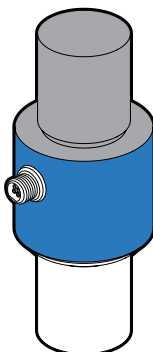
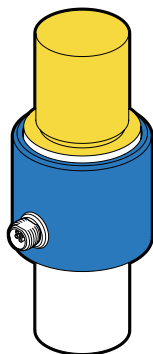
 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (tension)

- Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring/Connector Code	CC19

MECHANICAL

Weight (approximate)	8 oz [227 g]
Safe Overload	150% of RO
Deflection	0.0025
Material (flexure)	17-4 PH stainless-steel
IP Rating	IP64

TEMPERATURE

Operating Temperature	-45 to 200°F (-42 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.005% of RO/°F (0.01% of RO/°C)
Temperature Shift Span	±0.01% of Load/°F (0.018% of Load/°C)

CALIBRATION

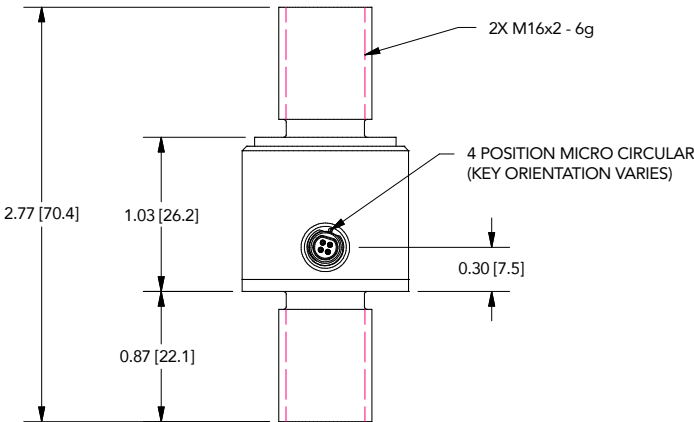
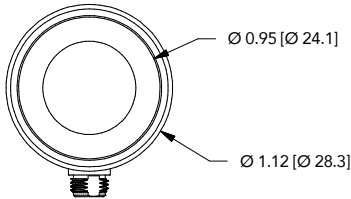
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	60.4 kOhm (10 klb)

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

DIMENSIONS inches [mm]

TOLERANCE:
.X ± 0.1" [2.5 mm]
.XX ± 0.01" [0.25 mm]
.XXX ± 0.005" [0.127 mm]



FUTEK 4 PIN MICRO CIRCULAR (CC19)

1	+ EXCITATION	Red
2	- EXCITATION	Black
3	- SIGNAL	White
4	+ SIGNAL	Green



CAPACITIES

ITEM #	klb	kN	Thread	Natural Frequency (kHz)
FSH04645	10	44.5	M16x2	14.9



Drawing Number: FI1544

FUTEK reserves the right to modify its design and specifications without notice.
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RoHS



U.S. Manufacturer