



FEATURES

- Miniature size
- Fast response (μ s) and low deflection
- For use in both tension and compression
- Quick Disconnect Cable

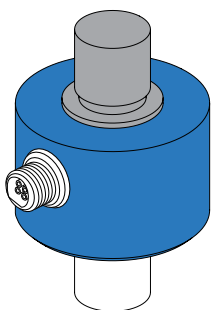
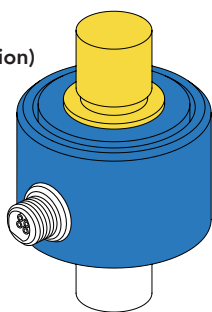
 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (tension)

- Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity	$\pm 0.5\%$ of RO
Hysteresis	$\pm 0.5\%$ of RO
Nonrepeatability	$\pm 0.1\%$ of RO

ELECTRICAL

Rated Output (RO)	1.3 mV/V (2 klb) 2 mV/V (3 klb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥ 500 MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring Code	CC19

MECHANICAL

Weight (approximate)	4 oz [113 g]
Safe Overload	150% of RO
Deflection	0.001 in [0.05 mm] nom
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	$\pm 0.005\%$ of RO/°F (0.01% of RO/°C)
Temperature Shift Span	$\pm 0.02\%$ of Load/°F (0.036% of Load/°C)

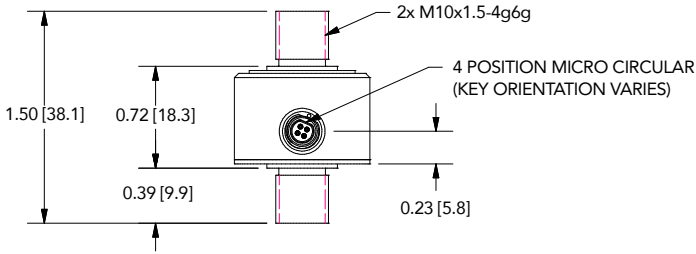
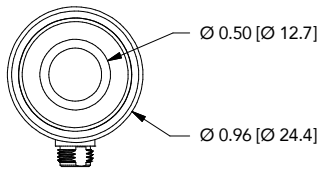
CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	100 kOhm (2 klb), 60.4 kOhm (3 klb)

Conformity

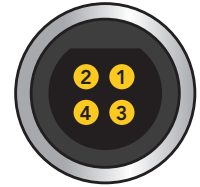
RoHS	EU 2015/863
CE	EN55011; EN61326-1

DIMENSIONS inches [mm]



FUTEK 4 PIN MICRO CIRCULAR (CC19)

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



CAPACITIES

ITEM #	kIb	kN	Thread	Natural Frequency (kHz)
FSH04626	2	8.9	M10x1.5	18
FSH04627	3	13.3	M10x1.5	18



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592

Tel: (65) 6561 0488

Fax: (65) 6562 0588

Email: sales@scigate.com.sg

Web: www.scigate.com.sg

Business Hours: Monday - Friday 8.30am - 6.15pm

Drawing Number: F11541

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10 Thomas, Irvine, CA 92618 USA
Tel: (949) 465-0900

www.futek.com



R0HS



U.S. Manufacturer