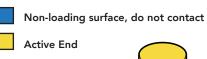


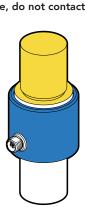
FEATURES

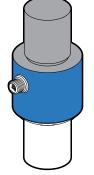
- **Environmental Protection**
- Water Resistant and Outdoor Rated •
- Miniature size •
- Fast response and low deflection ٠
- Quick Disconnect Cable .
- For use in both tension and compression •



Fixed End

- + Output (tension)
- Output (compression)





Sensor Solution Source	
$Load \cdot Torque \cdot Pressure \cdot Multi-Axis \cdot Calibration \cdot Instruments \cdot Softwar$	e

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CE

RØHS

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



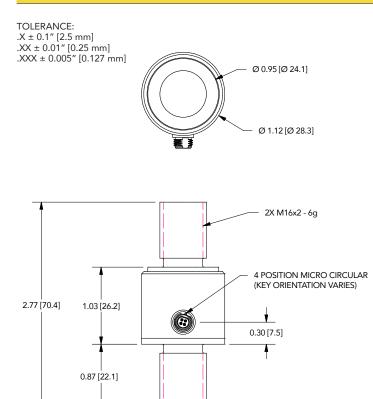






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Model LCM375



FUT	EK 4 PIN MICRO CIR	CULAR (CC19)	
1	+ EXCITATION	Red	
2	– EXCITATION	Black	2 1
3	– SIGNAL	White	43
4	+ SIGNAL	Green	

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



Drawing Number: FI1544

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sensori & trasduttori

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U.S. Manufacturer

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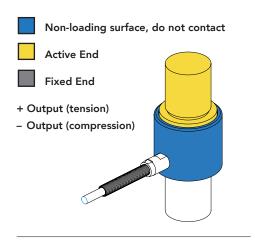
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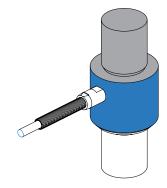




FEATURES

- Miniature size
- Fast response and low deflection •
- Robust cable strain relief •
- For use in both tension and compression •





Sensor Solution Source Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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CE

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SPECIFICATIONS	
PERFORMANCE	
Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.1% of RO
ELECTRICAL	
Rated Output (RO)	1.5 mV/V (7.5 klb) 2 mV/V (10 klb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#28 AWG, 4 conductor, braided shielded PVC cable, 10 ft [3 m] long
Wiring/Connector Code	WC1
MECHANICAL	
Weight (approximate)	8 oz [227 g]
Weight (minus cable)	5 oz [142 g]
Safe Overload	150% of RO
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	±0.02% 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 (7.5 klb), 60.4 kOhm (10 klb)
CONFORMITY	
RoHS	EU 2015/863
CE	EN55011; EN61326-1

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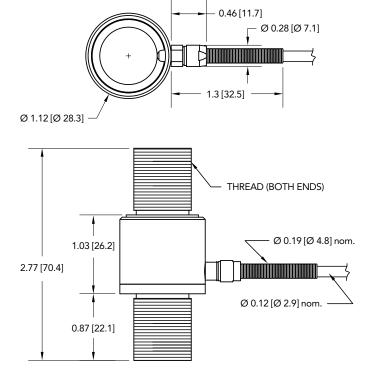


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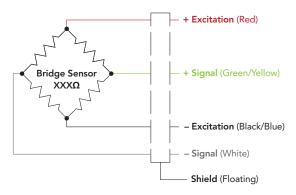
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Model LCM375

DIMENSIONS inches [mm]



WIRING CODE (WC1 WITH SHIELD)			
RED	+ EXCITATION		
BLACK	– EXCITATION		
GREEN	+ SIGNAL		
WHITE	– SIGNAL		
SHIELD	FLOATING		



CAPACITIES

ITEM #	klb	kN	Thread	Natural Frequency (kHz)	Deflection
FSH04081	7.5	33.4	3/4-16	14.1	0.0021
FSH04083	7.5	33.4	M16x2	14.1	0.0021
FSH04082	10	44.5	3/4-16	14.9	0.0025
FSH04084	10	44.5	M16x2	14.9	0.0025



Natural frequency and deflection may be found in the extraneous load information.

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Drawing Number: FI1432-B FUTEK reserves the right to modify its design and specifications without notice.

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