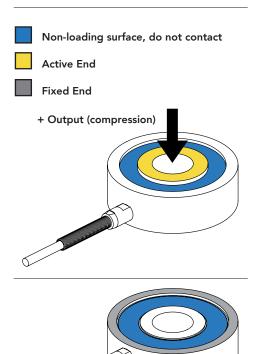




FEATURES

- Fast response time
- Robust strain relief
- Compatible in load washer applications
- Offered in a variety of capacities and inner diameters



SPECIFICATIONS	
PERFORMANCE	
Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.5% of RO
ELECTRICAL	
Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	700 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#24 AWG, 4 conductor, braided shielded Teflon cable, 10 ft [3 m] long
Wiring/Connector Code	WC1
MECHANICAL	
Capacities	10000 lb [44480 N]
Weight (approximate)	8 oz [227 g]
Safe Overload	150% of RO
Deflection	0.002 in [0.05 mm] nom
Material	17-4 PH stainless-steel
IP Rating	IP64
TEMPERATURE	
Operating Temperature	-60 to 200°F (-50 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	±0.005% of Load/°F (0.01% of Load/°C)
CALIBRATION	
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	100 kOhm
CONFORMITY	
RoHS	EU 2015/863
CE	EN55011; EN61326-1



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

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www.futek.com

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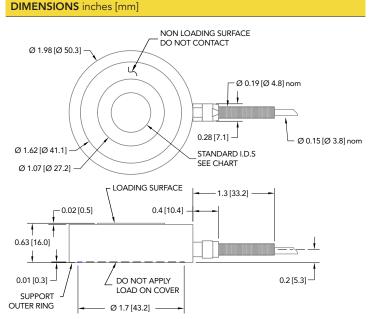
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Model LTH400



WIRING CODE (WC1 WITH SHIELD)	
RED	+ EXCITATION
BLACK	– EXCITATION
GREEN	+ SIGNAL
WHITE	– SIGNAL
SHIELD	FLOATING
Bridge Sensor XXXΩ	+ Excitation (Red) + Signal (Green/Yellow) - Excitation (Black/Blue) - Signal (White)
	Shield (Floating)

Note: While torquing bolts, high tension forces will occur during installation, which could result in overloading the sensor. FUTEK recommends connecting the sensor to a system in order to monitor the applied forces. FUTEK is not liable or responsible for the mishandling of the sensor during installation.

INNER DIAMETER	
ID	Dimension $^{+0.01}_{-0.00} \begin{bmatrix} +0.25\\ -0.00 \end{bmatrix}$
3/8	0.384 [9.75]
1/2	0.509 [12.93]
5/8	0.634 [16.10]

Drawing Number: FI1441-B

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



sensori & trasduttori

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