

# FUTEK MODEL LTH400

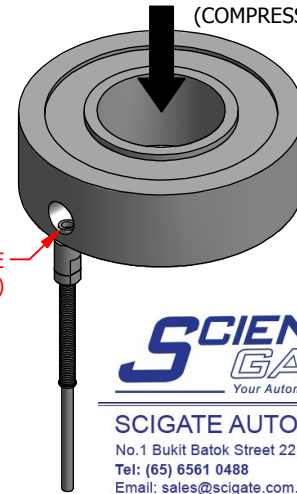
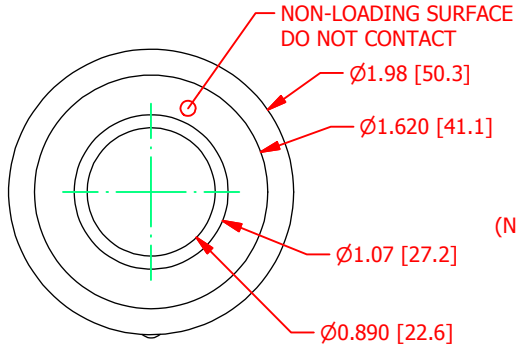
ITEM NUMBER: QSH01798

CUSTOM DONUT LOAD CELL, FOR HIGH PRESSURE AND LARGE TEMPERATURE RANGE, RoHS COMPLIANT

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			



+OUTPUT  
(COMPRESSION)

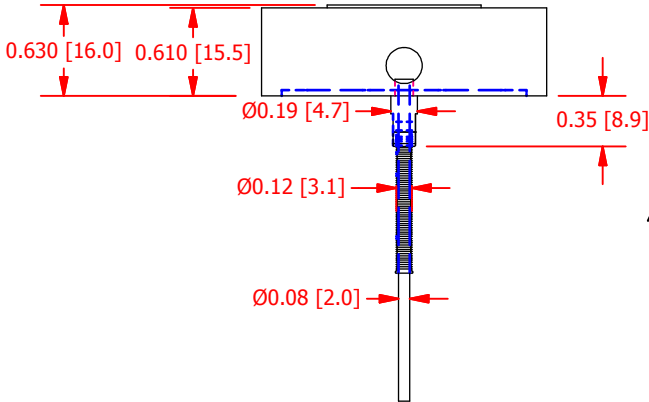


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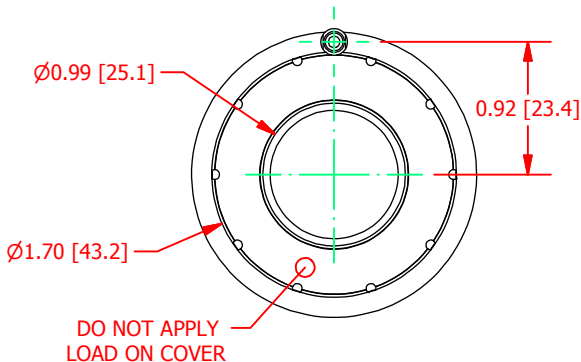
**NOTES:**

- 1) MAX ALLOWABLE PRESSURE 20000 PSI.
- 2) SENSOR TO BE USED IN NON-CONDUCTIVE OIL.
- 3) CALIBRATION TO BE PERFORMED DRY, AT 73°F±10 AND ≈1 ATM PRESSURE.
- 4) CABLE ASSEMBLY PER IPC620 CLASS 2



**SPECIFICATIONS:**

RATED OUTPUT	1.7 mV/V nom.
CAPACITY	350 lb. [1554N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% 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	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	70 to 350 °F (21 to 177 °C)
OPERATING TEMP	-60 to 350 °F (-51 to 177 °C)
MATERIAL	STAINLESS STEEL
CABLE: #29 Awg 4 Conductor Spiral Shielded Teflon Cable, 3 ft [0.9 m] Long	
RoHS COMPLIANT	2011/65/EU
CE COMPLIANCE	EN55011:2009 EN 61326-1:2006



CUSTOMER APPROVAL- COMPANY:	
CUSTOMER APPROVAL- NAME / DATE:	
REVISIONS: (Refer to dwg # revision sheet)	
A	5-30-17

## OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)  
 ALL DIMENSIONS ARE IN INCHES  
 DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M  
 REMOVE BURRS AND BREAK SHARP EDGES .005 - .015  
 THREADS PER HANDBOOK H-28  
 DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE: ± 1/2"  
 CHAMFER: ± 5'  
 TOLERANCE:  
 .X ± 0.1"  
 .XX ± 0.01"  
 .XXX ± 0.005"

3rd ANGLE PROJ.

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## FUTEK

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MODEL: <b>LTH400</b>	DWG No.: <b>FO1391-A</b>
DRAWN BY: <i>E. Pano</i>	CREATED DATE: 5/18/2015
APPROVED BY: <i>R. Walker</i>	APPROVED DATE: 7/9/2015
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1