

FUTEK MODEL LTH500

CUSTOM DONUT/ THRU HOLE LOAD CELL, CRYOGENIC VERSION

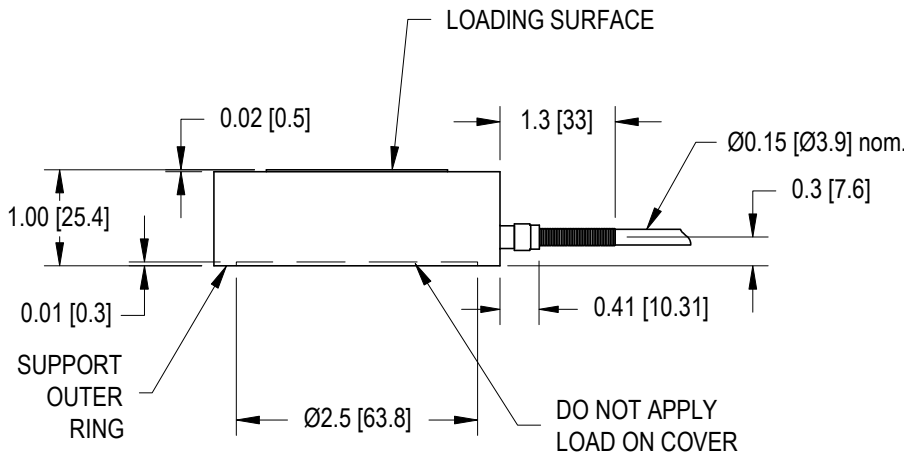
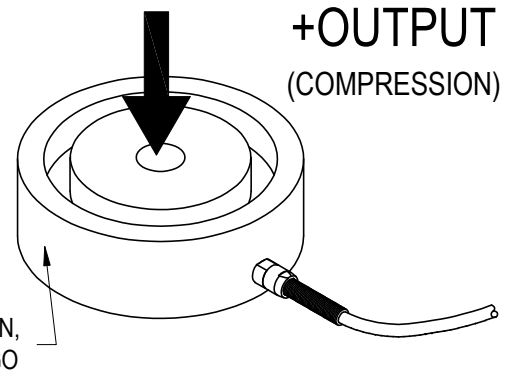
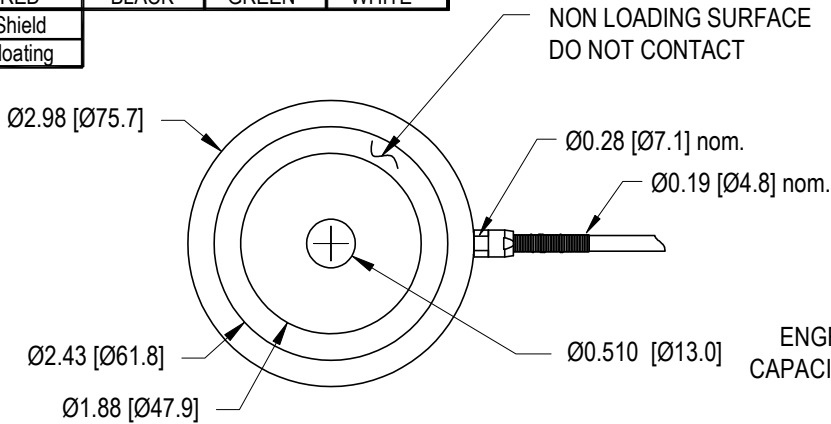
STOCK NUMBER: QSH01501

INCH [mm] | R.O.= Rated Output

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE

Shield
Floating



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	15000 lbs [66720 N]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	±5% of R.O.
HYSTERESIS	±5% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.005% of R.O./°F [0.01% of R.O./°C]
TEMP. SHIFT SPAN	±0.005% of LOAD/°F [0.01% of LOAD/°C]
COMPENSATED TEMP.	-148 to 302°F [-100 to 150°C]
OPERATING TEMP.	-148 to 302°F [-100 to 150°C]
WEIGHT	26 oz [737 g]
MATERIAL	15-5PH S.S.
CABLE: #24 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3 m] Long	

NOTE:

WHILE TORQUING BOLTS, HIGH TENSION FORCES WILL OCCUR DURING INSTALLATION, WHICH COULD RESULT IN OVERLOADING THE SENSOR. FUTEK RECOMMENDS CONNECTING 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.

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)

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
ADVANCED SENSOR TECHNOLOGY, INC.

10 THOMAS
IRVINE, CA 92618 USA
Phone: (949) 465-0900
Fax: (949) 465-0905

CAGE: 1X8M6

MODEL: LTH500-SP

DWG No.: FO1292

DRAWN BY: E. PANO

CHECKED BY: -

APPROVED BY: R. WALKER

DATE: Mar, 10, 2011