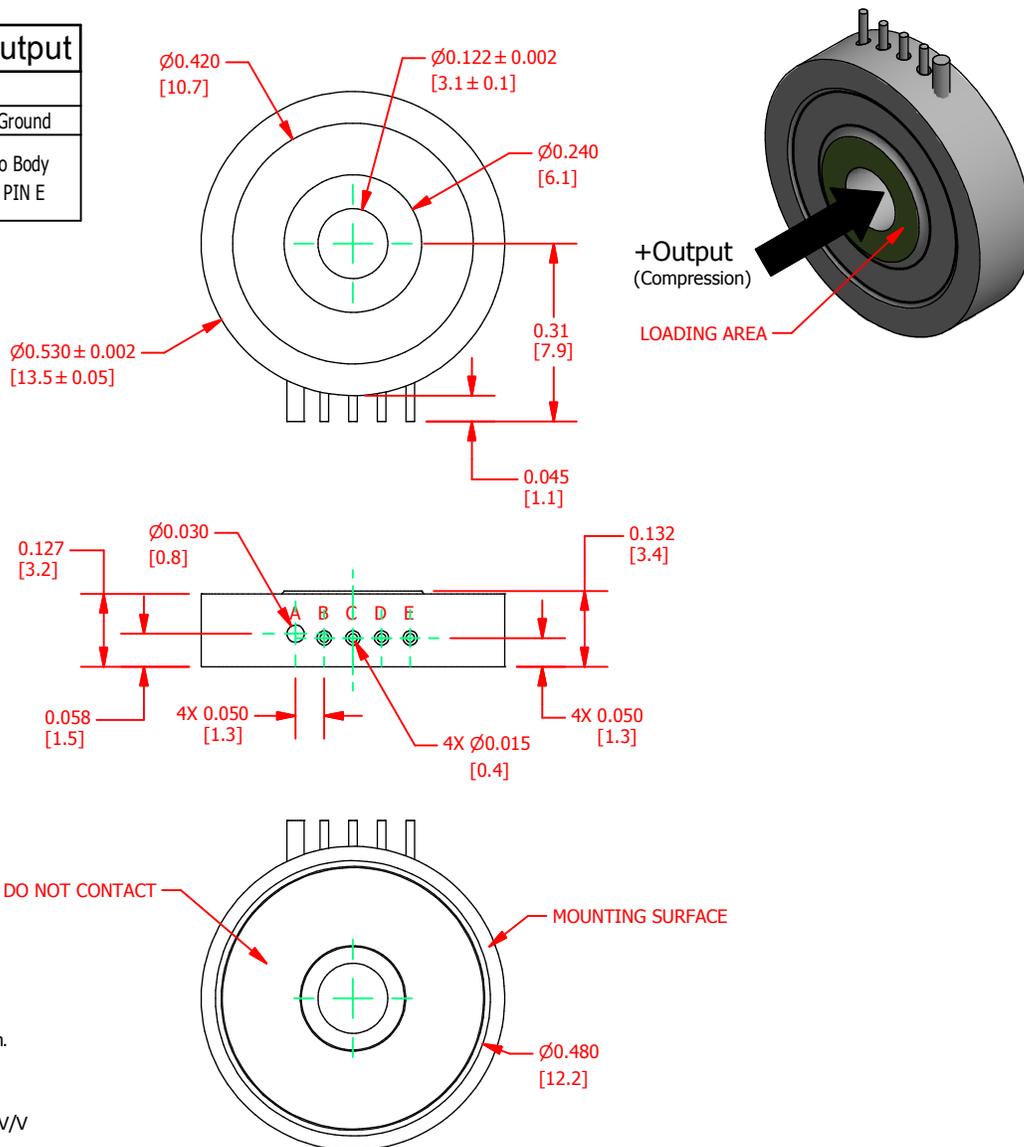


# FUTEK MODEL QLA401

## Custom Autoclavable Thru Hole Load Cell

ITEM NUMBER: N/A

INCH [mm]		R.O. = Rated Output		
WIRING CODE				
+ Excitation	- Excitation	+ Signal	- Signal	Ground
RED PIN C	BLACK PIN A	GREEN PIN D	WHITE PIN B	To Body PIN E



### SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	175 lb. [777N]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	0.45 to 0.95 mV/V
EXCITATION (VDC OR VAC)	10 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.25% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (±0.036 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 of LOAD/°C)
COMPENSATED TEMP.	59 to 104 °F (15 to 40 °C)
OPERATING TEMP	59 to 104 °F (15 to 40 °C)
NON OPERATING TEMP	32 to 279 °F (0 to 137 °C)
MATERIAL	INCONEL
DEFLECTION	0.0005 [0.013] nom.
PIN HEADER: PLATING-	GOLD 0.00005" OVER NICKEL 0.0002", Ground Pin NICKEL ONLY
PRESSURE	34 PSI MAX
STERILIZATION	CAPABLE OF SURVIVING HUNDREDS OF STERILIZATION CYCLES
CE	RoHS 2011/65/EU

**PROPRIETARY DESIGN**

CUSTOMER APPROVAL- COMPANY:	<h1 style="color: green;">OUTLINE DRAWING</h1>	<p><i>This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:</i></p> <p><b>FUTEK</b> ADVANCED SENSOR TECHNOLOGY, INC. 10 THOMAS, IRVINE, CA 92618 USA Phone: (949) 465-0900 Fax: (949) 465-0905</p>
CUSTOMER APPROVAL- NAME / DATE:		
REVISIONS: (Refer to dwg # revision sheet)	<p>STANDARD NOTES: (Unless Otherwise Specified)</p> <p>ALL DIMENSIONS ARE IN INCHES</p> <p>DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M</p> <p>REMOVE BURRS AND BREAK SHARP EDGES .005 - .015</p> <p>THREADS PER HANDBOOK H-28</p> <p>DIMENSIONS ARE SHOWN AFTER PLATING</p> <p>3rd ANGLE PROJ.</p> <p>ANGLE: ± 1/2"</p> <p>CHAMFER: ± 5"</p> <p>TOLERANCE: .X ± 0.1" .XX ± 0.01" .XXX ± 0.005"</p>	<p>MODEL: <b>QLA401</b> DWG No.: <b>FO1440</b></p> <p>DRAWN BY: M. Lisiak CREATED DATE: 2/10/2017</p> <p>APPROVED BY: R. Walker APPROVED DATE: 10/13/2017</p> <p>CHECKED BY: CAGE: 1X8M6 SHEET: 1 OF 1</p>