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FUTEK MODEL QLA401

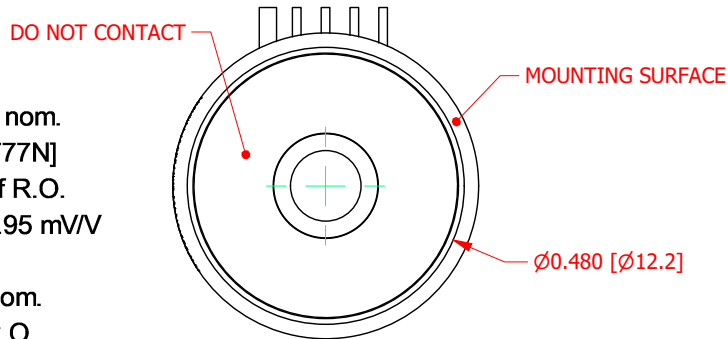
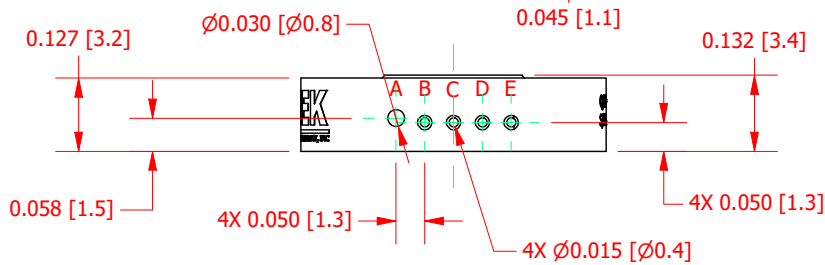
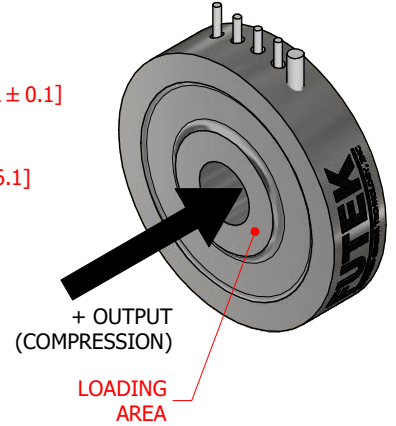
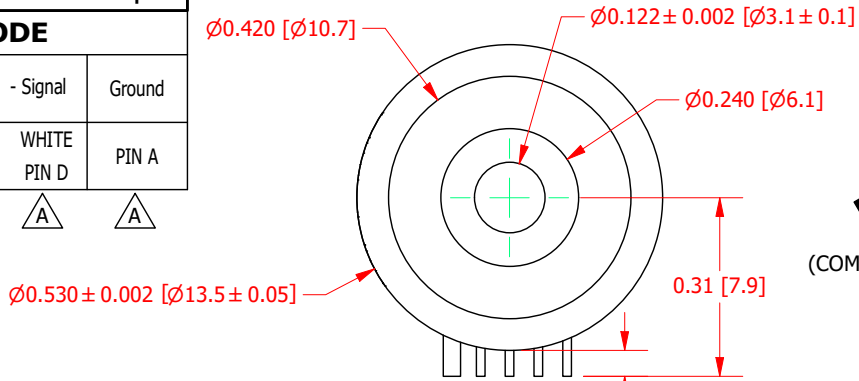
Custom Autoclavable Thru Hole Load Cell

ITEM NUMBER: QSH01947 \triangle A

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

WIRING CODE

+ Excitation	- Excitation	+ Signal	- Signal	Ground
RED PIN C	BLACK PIN E	GREEN PIN B	WHITE PIN D	PIN A
\triangle A	\triangle A	\triangle A	\triangle A	\triangle A



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	$\pm 1\%$ of R.O.
HYSTERESIS	$\pm 1\%$ of R.O.
NONREPEATABILITY	$\pm 0.25\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.02\%$ of R.O./ $^{\circ}$ F (± 0.036 of R.O./ $^{\circ}$ C)
TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/ $^{\circ}$ F (± 0.036 of LOAD/ $^{\circ}$ C)
COMPENSATED TEMP	59 to 104 $^{\circ}$ F (15 to 40 $^{\circ}$ C)
OPERATING TEMP	59 to 104 $^{\circ}$ F (15 to 40 $^{\circ}$ C)
NON OPERATING TEMP	32 to 279 $^{\circ}$ F (0 to 137 $^{\circ}$ 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	EU 2015/863 \triangle A

PROPRIETARY DESIGN

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

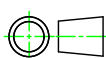
A | 9/29/2021

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
THREADS PER HANDBOOK H-28
DIMENSIONS ARE SHOWN AFTER PLATING

3rd ANGLE PROJ.



ANGLE:
 $\pm 1/2^{\circ}$

CHAMFER:
 $\pm 5^{\circ}$

TOLERANCE:
.X $\pm 0.1"$
.XX $\pm 0.01"$
.XXX $\pm 0.005"$

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MODEL: **QLA401** | DWG No.: **FO1440-A**

DRAWN BY: M. LISIAK | CREATED DATE: 2/10/2017

APPROVED BY: R. WALKER | APPROVED DATE: 10/13/2017

CHECKED BY: | CAGE: 1X8M6 SHEET: 1 OF 1