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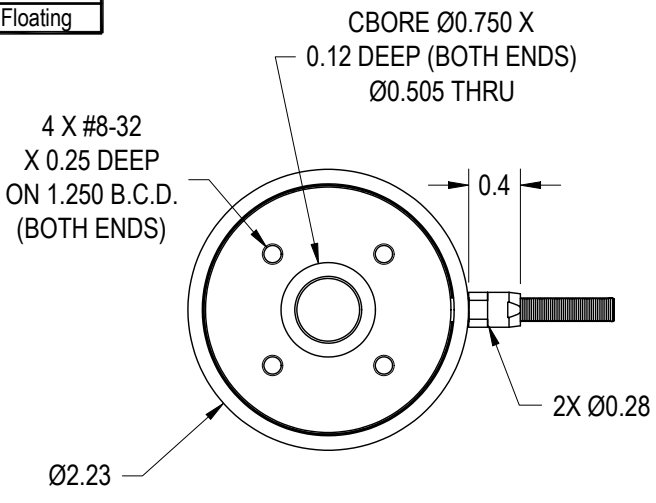
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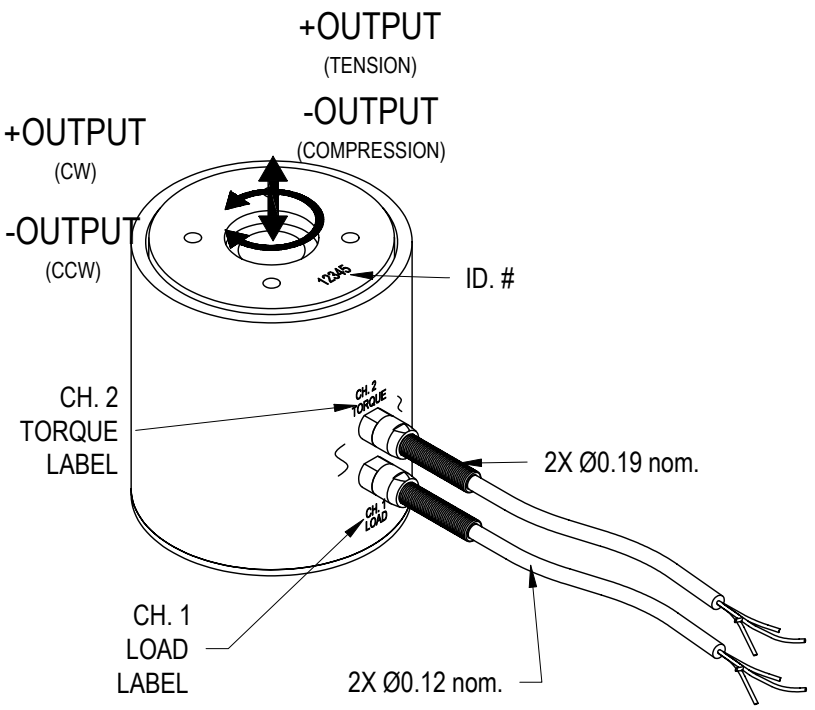
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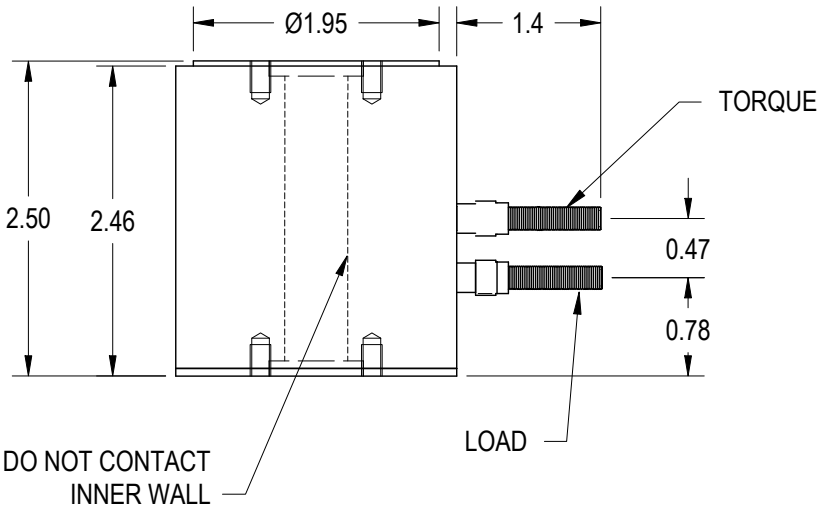
FUTEK MODEL QMA112 *TORQUE AND THRUST THRU HOLE BI-AXIAL SENSOR*

STOCK NUMBER: QSH00980

INCH (mm)	R.O.= Rated Output		
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
Floating			







SPECIFICATIONS:

Mz and Fz

RATED OUTPUT	*2 mV/V nom.*
CAPACITY (FZ)	*100 lb*
CAPACITY (MZ)	*50 in-lb*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*350 Ω nom.*
NONLINEARITY	*±0.25% of R.O.*
HYSTERESIS	*±0.25% of R.O.*
NONREPEATABILITY	*±0.05% of R.O.*
TEMP. SHIFT ZERO	*±0.005% of R.O./°F*
TEMP. SHIFT SPAN	*±0.005% of LOAD/°F*
COMPENSATED TEMP.	*60 to 160°F*
OPERATING TEMP.	*-45 to 200°F*
MATERIAL	*ALUMINUM*

CABLE: #28 AWG, 4 Conductor, Braided Shielded PVC Cable, 10 ft [3 m] Long

MATERIAL:
—
HEAT TREATMENT - FINISH:
—
REVISIONS: (Refer to dwg # revision sheet)
A -

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

3rd ANGLE PROJ.

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

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CAGE: 1X8M6

MODEL: QMA112	DWG No.: FO1188
DRAWN BY: R. WALKER	CHECKED BY: -
APPROVED BY: J.V.M	DATE: Aug 21, 2007