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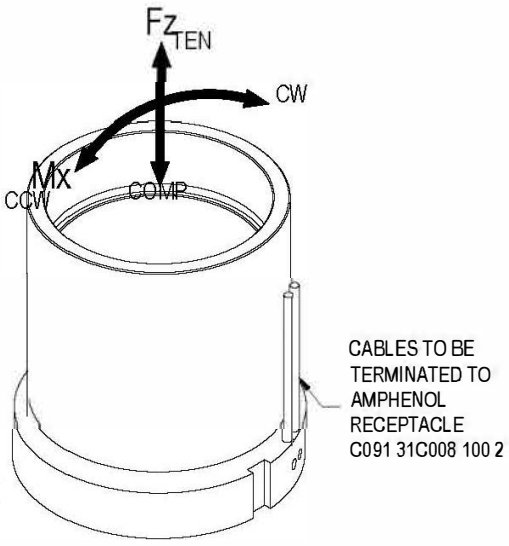
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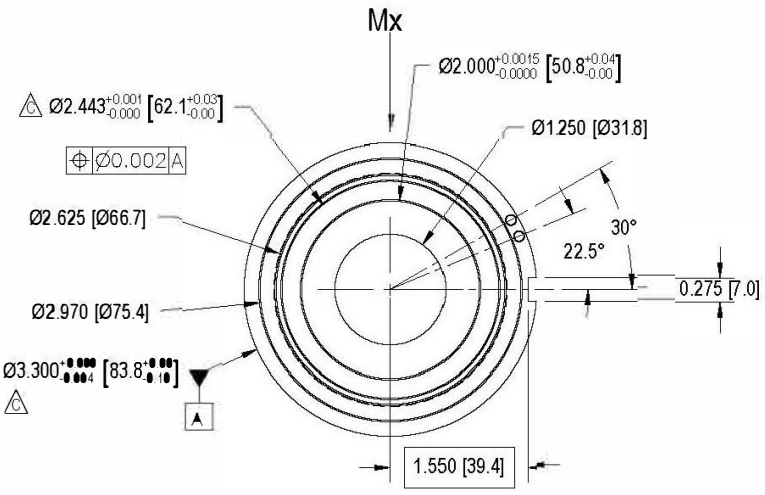
FUTEK MODEL QMA121 *Custom Fatigue Rated Dual Axis Loadcell*

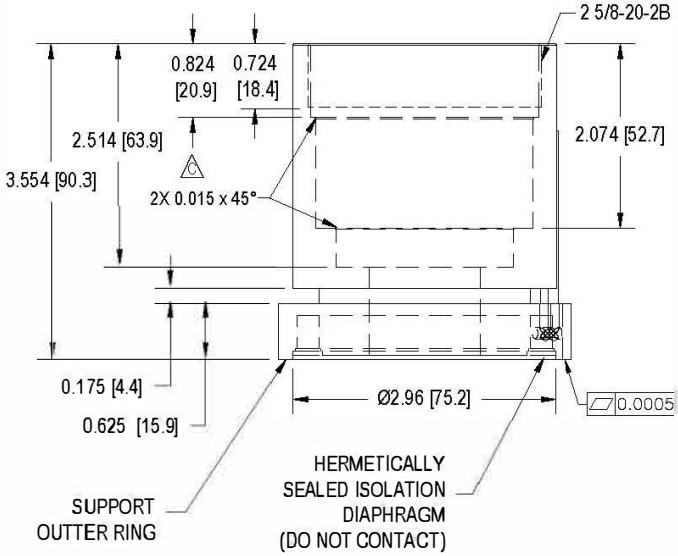
ITEM NUMBER: QSH01298

INCH [mm] R.O.= Rated Output

CONNECTOR CODE			
+Excitation	-Excitation	+Signal (Fz)	-Signal (Fz)
PIN '1'	PIN '2'	PIN '3'	PIN '4'
+Signal (Mx)	-Signal (Mx)	Ground (Floating)	N/C
PIN '5'	PIN '6'	PIN '7'	PIN '8'







SPECIFICATIONS:

RATED OUTPUT	*1 mV/V nom (Fz), 0.5 mV/V nom (Mx)*
CAPACITY	*5000 lb (Fz), 1500 in-lb (Mx)*
SAFE OVERLOAD	*300% of R.O. (Fz)*
MAX SIDELOAD	*1500 in-lb (Mx)*
ZERO BALANCE	*±3-5% of R.O.*
EXCITATION (VDC OR VAC)	*18 max*
BRIDGE RESISTANCE	*700 Ω nom (Fz), 350 Ω nom (Mx)*
NONLINEARITY	*±1% of R.O. (Fz), 2% of R.O. (Mx)*
NONREPEATABILITY	*±0.1% of R.O.*
TEMP. SHIFT ZERO	*±0.005% of R.O./°F (0.009% of R.O./°C)*
TEMP. SHIFT SPAN	*±0.01% of LOAD/°F (0.018% of LOAD/°C)*
COMPENSATED TEMP.	*60 to 160°F (15 to 71°C)*
OPERATING TEMP.	*-40 to 200°F (-40 to 93°C)*
FATIGUE CYCLE (FULL REVERSING)	*> 50 million*
WEIGHT	*approx 3.3 lb*
MATERIAL	*17-4ph S.S.*

CABLE: 2X 28 Awg, 4 Conductor, Braided Shielded PVC, 6in Long

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)
A 9-4-09
B 9-11-09
C 10-9-09

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: QMA121 | DWG No.: FO1248-C

DRAWN BY: R. WALKER | CHECKED BY: J. MOKHBERY

APPROVED BY: - | DATE: July 1, 2009