10 Thomas, Irvine, CA 92618 USA
Email: futek@futek.com

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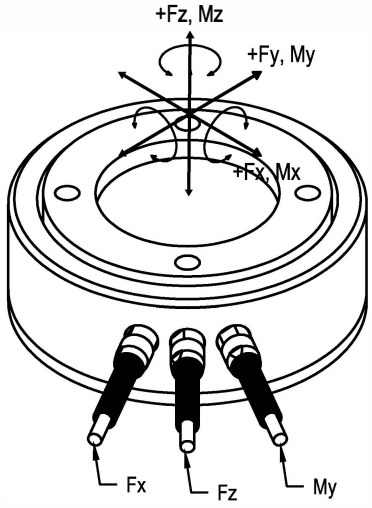
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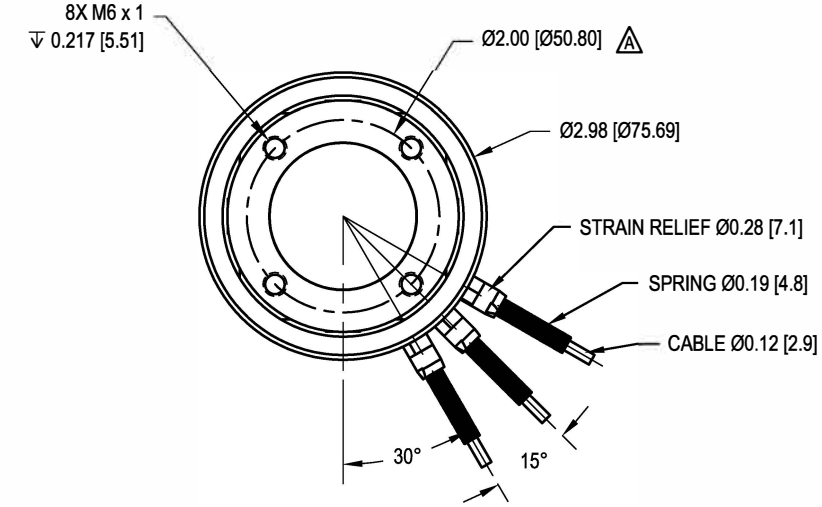
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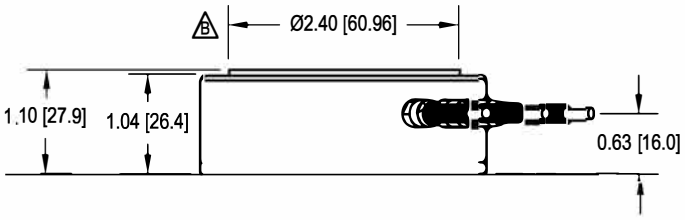
FUTEK MODEL QMA124 *Custom Three-Component Sensor*

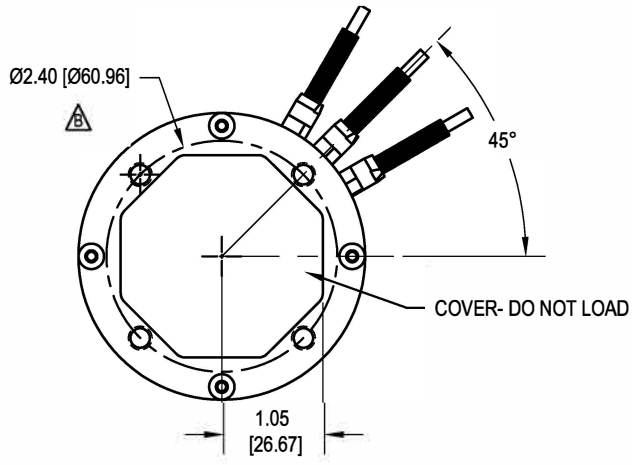
ITEM NUMBER: QSH01331

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









SPECIFICATIONS:

RATED OUTPUT	*0.5 mV/V nom.*
CAPACITY	*Ch Fx: 60 lb; Ch Fz: 200 lb; Ch My: 200 in-lb;*
*SAFE OVERLOAD**	*150% of R.O.*
ZERO BALANCE	*±5% of R.O.*
EXCITATION (VDC OR VAC)	*10 max*
BRIDGE RESISTANCE	*Fx: 350 Ω nom, Fz: 700 Ω nom, My: 350 Ω nom*
NONLINEARITY	*±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.	*60 to 160°F (15 to 71°C)*
OPERATING TEMP.	*60 to 160°F (15 to 71°C)*
WEIGHT	*0.87 lb (Excluding cables)*
MATERIAL	*Flexure: Nickel Plated Alloy Steel, Cover: Anodized Aluminum*

A *CABLE: 3x 28 Awg, 4 Conductor Braided Shielded PVC Cable, 30 ft [3 m] Long*

**Withstands the following additional loads: Fy: 60 lb, Fz: 220 lb, Mx: 1,760 in-lb, Mz: 200 in-lb*

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)

A 11-4-09

B 12-9-09

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

FUTEK

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CAGE: 1X8M6	
MODEL: QMA124	DWG No.: FO1260-B
DRAWN BY: R. WALKER	CHECKED BY: J. VARGAS
APPROVED BY: -	DATE: Nov. 2, 2009