

FUTEK MODEL QMA124 Custom Three-Component Sensor

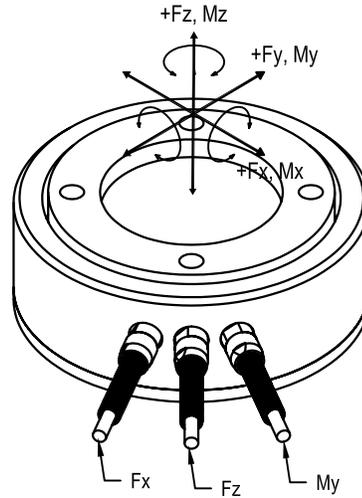
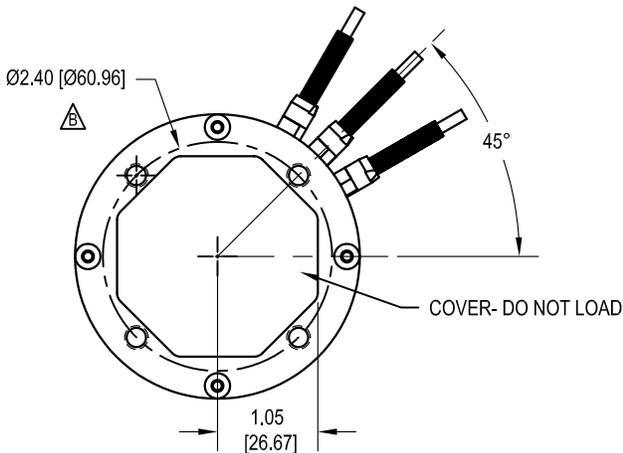
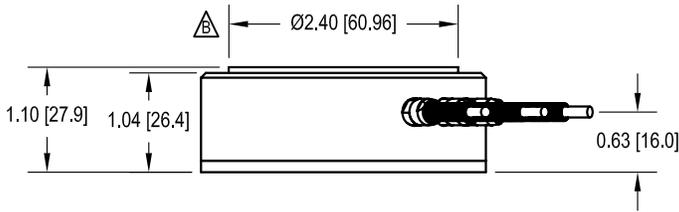
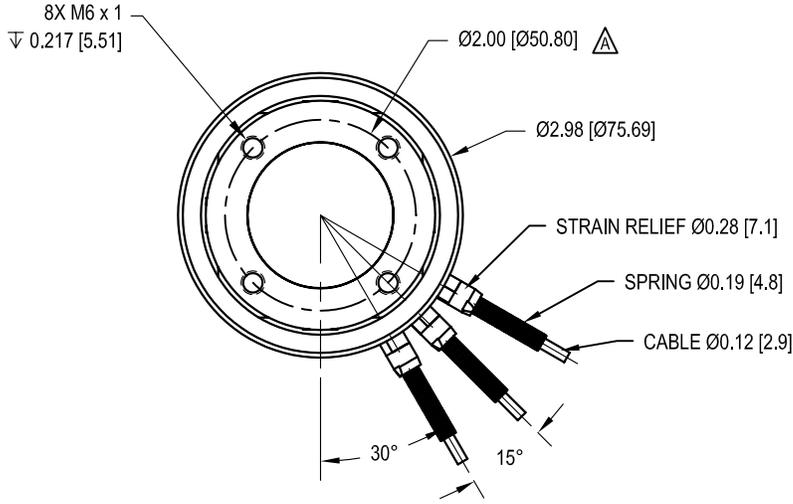
ITEM NUMBER: QSH01331

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
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)
11-4-09
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

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

3rd ANGLE PROJ.

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