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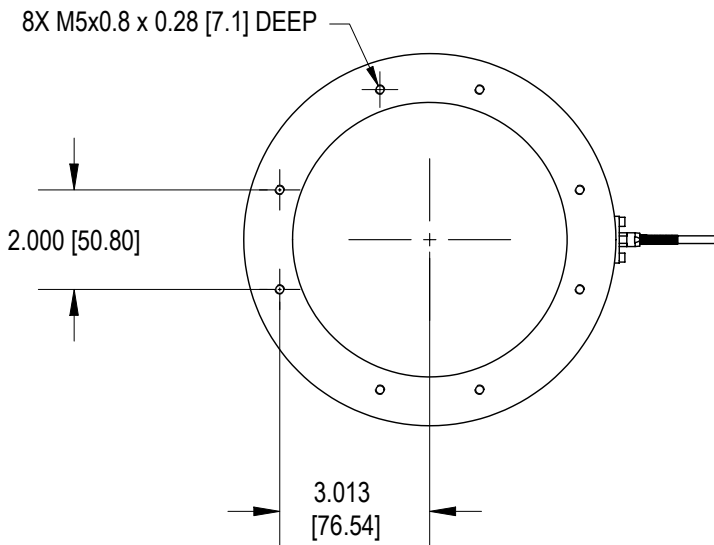
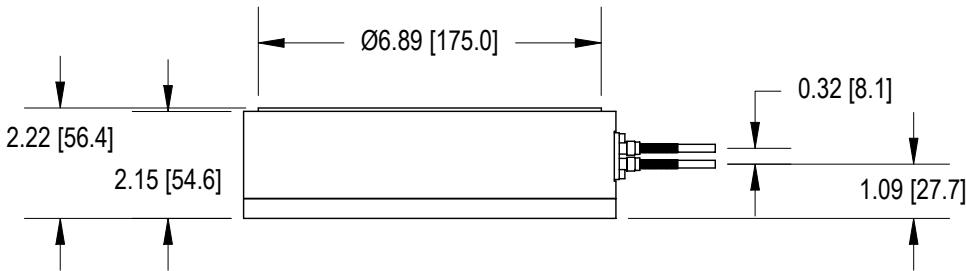
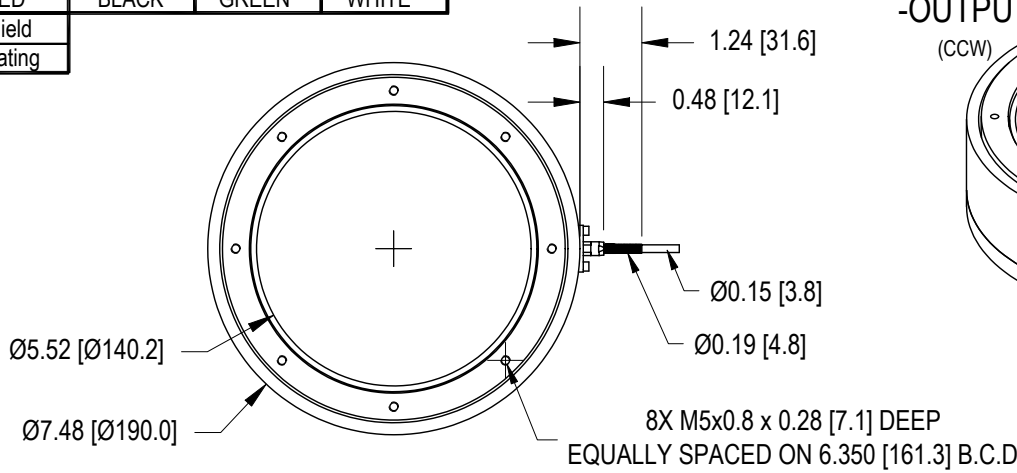
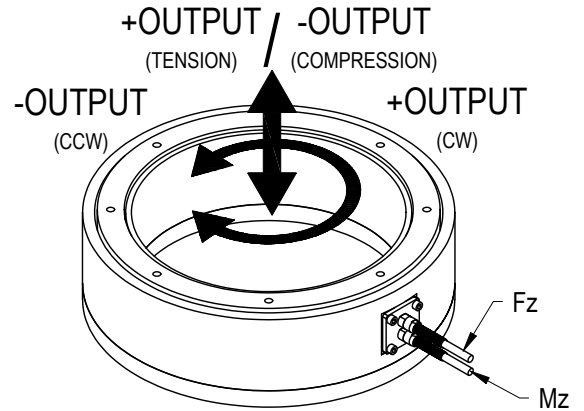
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# FUTEK MODEL QMA123 Custom Torque/Thrust Bi-Axial Sensor

ITEM NUMBER: QSH01319

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



## SPECIFICATIONS:

<b>RATED OUTPUT</b>	2 mV/V nom (Fz), 0.5 mV/V nom (Mz)
<b>CAPACITY</b>	2000 lb (Fz), 150 in-lb (Mz)
<b>SAFE OVERLOAD</b>	150% of R.O.
<b>ZERO BALANCE</b>	±3% of R.O.
<b>EXCITATION (VDC OR VAC)</b>	15 MAX
<b>BRIDGE RESISTANCE</b>	350/700 Ω nom
<b>NONLINEARITY</b>	±0.5% of R.O.
<b>HYSTERESIS</b>	±0.5% of R.O.
<b>NONREPEATABILITY</b>	0.1% of R.O.
<b>TEMP. SHIFT ZERO</b>	±0.01% of R.O./°F (0.018% of R.O./°C)
<b>TEMP. SHIFT SPAN</b>	±0.01% of LOAD/°F (0.018% of LOAD/°C)
<b>COMPENSATED TEMP.</b>	-65 to 160°F (-54 to 71°C)
<b>OPERATING TEMP.</b>	-65 to 200°F (-54 to 93°C)
<b>WEIGHT</b>	approx 3.3 lb
<b>MATERIAL</b>	Anodized Aluminum
<b>CABLE:</b>	24 Awg, 4 Conductor Braided Shielded Teflon Cable, 10 ft [3m] Long

CUSTOMER APPROVAL-COMPANY

## OUTLINE DRAWING

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CUSTOMER APPROVAL-NAME /DATE

STANDARD NOTES: (Unless Otherwise Specified)

**CAGE: 1X8M6**

REVISIONS: (Refer to dwg # revision sheet)

- 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.



MODEL: **QMA123**

DWG No.: **FO1253**

DRAWN BY: R. WALKER

CHECKED BY: J. VARGAS

APPROVED BY: -

DATE: **Sept. 28, 2009**

