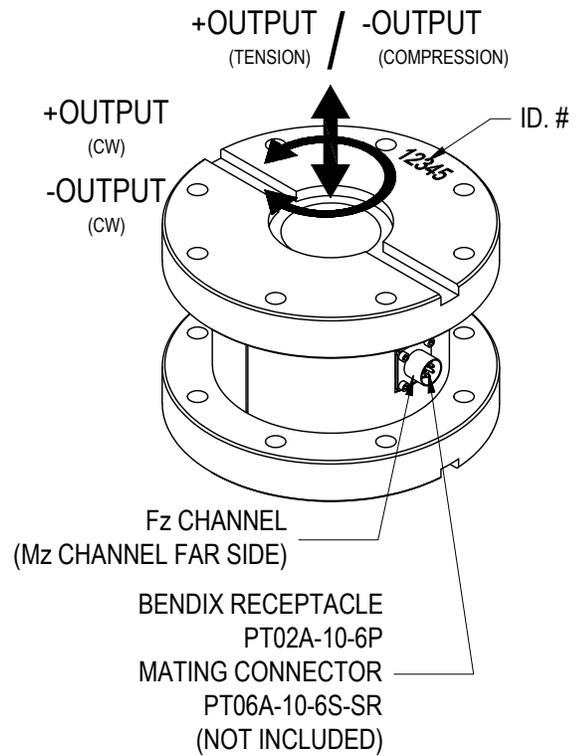
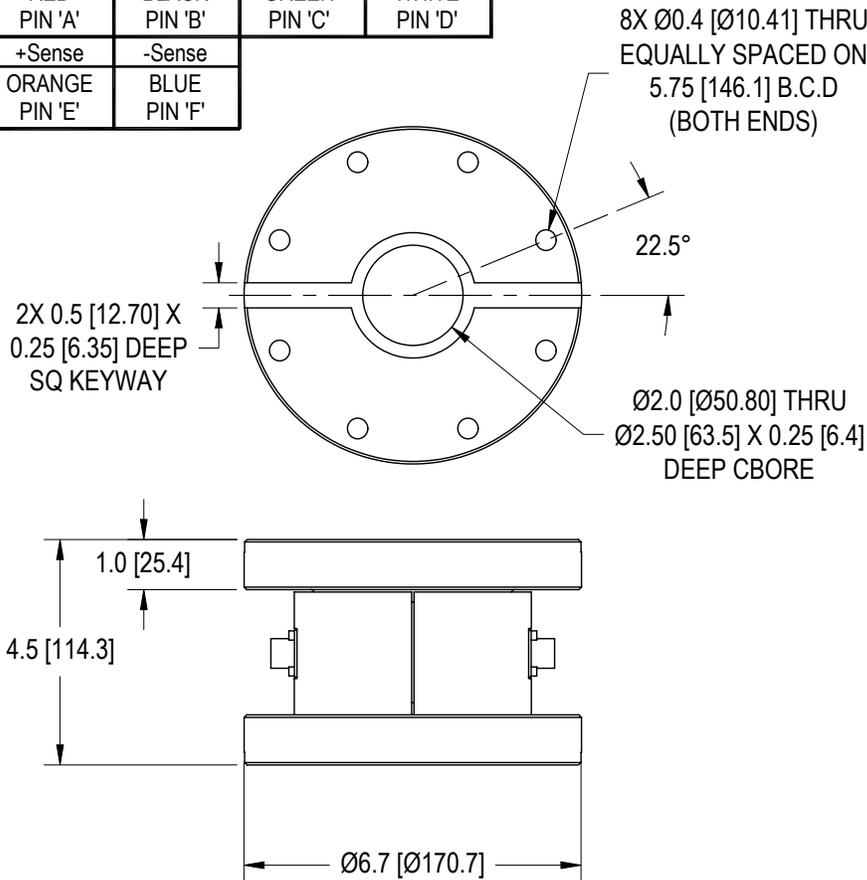


FUTEK MODEL QMA117

Reaction Torque and Thrust Flange to Flange Sensor

STOCK NUMBER: QSH01145

INCH (mm)		R.O.= Rated Output	
WIRING CODE (CC1)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom (Fz); 0.2 mV/V non (Mz)
CAPACITY	50000 lb (Fz); 2100 in-lb (Mz)
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O. (Fz); ±5% of R.O. (Mz)
EXCITATION (VDC OR VAC)	18 max
BRIDGE RESISTANCE	△ 350 Ω nom (Fz); 700 Ω nom (Mz)
NONLINEARITY	±0.5% of R.O. (Fz); ±0.25% of R.O. (Mz)
TEMP. SHIFT ZERO	±0.005% of R.O./°F (0.009% of R.O./°C)
TEMP. SHIFT SPAN	±0.005% of LOAD/°F (0.009% of LOAD/°C)
COMPENSATED TEMP.	60 to 160°F (15 to 72°C)
OPERATING TEMP.	-60 to 200°F (-50 to 93°C)
WEIGHT	22 lb
MATERIAL	17-4ph S.S. (Flexure); Anodized Aluminum (Cover)
CONNECTOR:	2x 6 PIN BENDIX CONNECTOR PTO2A-10-6P

SCIENCE GATE
Your Automation Partner



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592
Tel: (65) 6561 0488 Fax: (65) 6562 0588
Email: sales@scigate.com.sg Web: www.scigate.com.sg
Business Hours: Monday - Friday 8.30am - 6.15pm

NOTES:

- INTERNAL CIRCUITRY IS CONFORMALLY COATED WITH RTV
- SENSOR IS RATED TO IP61 WHEN MATING CONNECTORS ARE SECURED TO RECEPTACLES
- MAX SENSOR ROTATION NOT TO EXCEED 100 RPM

MATERIAL:

—

HEAT TREATMENT - FINISH:

—

REVISIONS: (Refer to dwg # revision sheet)

△ 7-2-08

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.



This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:

CAGE: 1X8M6

MODEL: **QMA117**

DRAWN BY: R. WALKER

APPROVED BY: -

FUTEK
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DWG No.: **F01216-A**

CHECKED BY: J.V. MEISELBACH

DATE: **June 16, 2008**