

FUTEK MODEL QMA148

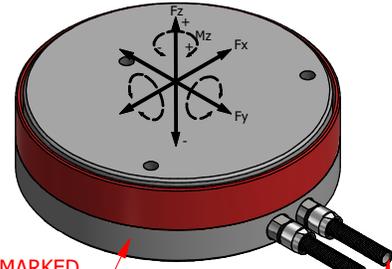
CUSTOM TORQUE AND THRUST SENSOR

ITEM NUMBER: QSH02089

INCH [mm] | R.O.= Rated Output

WIRING CODE

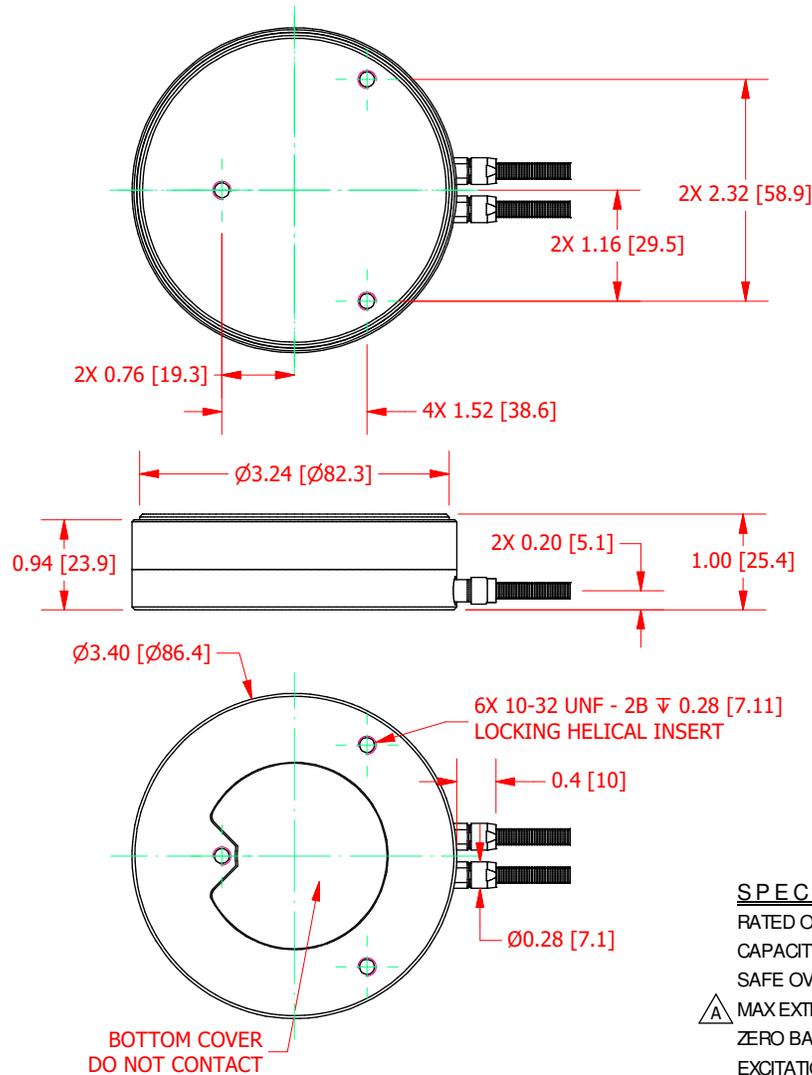
+ Excitation	- Excitation	+ Signal	- Signal	Shield
RED	BLACK	GREEN	WHITE	FLOATING



LASER MARKED
ITEM#, CAPACITY, S/N
FUTEK LOGOS

Fz CABLE OUTPUT

Mz CABLE OUTPUT



SPECIFICATIONS:

RATED OUTPUT	Fz 1 mV/V, Mz 2 mV/V
CAPACITY	Fz 200 lb, Mz 200 in-lb
SAFE OVERLOAD	150 % of R.O.
△ MAX EXTRANEIOUS SIMULTANEOUS LOADS	Fx/Fy 120 lb, Mx/My 120 in-lb
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	10 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
NONREPEATABILITY	±0.25% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
MATERIAL	7075 Anodized Aluminum
△ CABLE: 2x #26 Awg 4 Conductor Braided Shielded Teflon Cable, 10 ft [3 m] Long	

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	9-20-19
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OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5
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"



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MODEL: QMA148	DWG No.: FO1507-A
DRAWN BY: R. WALKER	CREATED DATE: 8/30/2019
APPROVED BY: S. MICHEL	APPROVED DATE: 9/4/2019
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1