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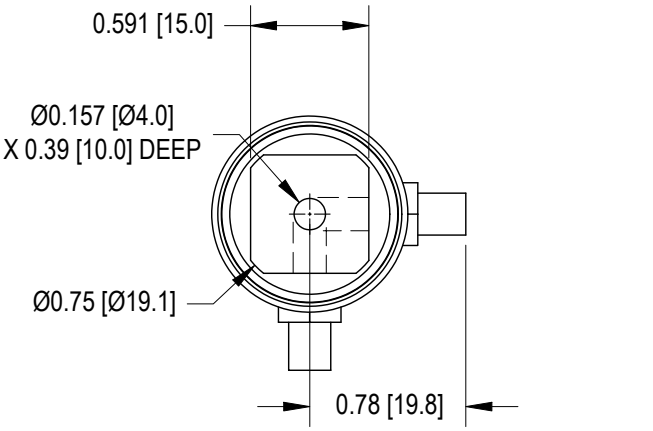
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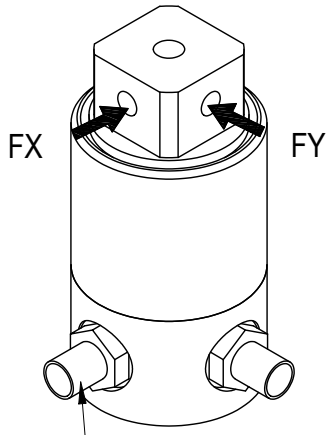
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FUTEK MODEL QMA114 *Custom Dual-Axis Load Cell*

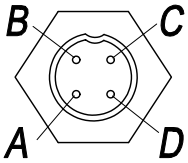
STOCK NUMBER: QSH01032

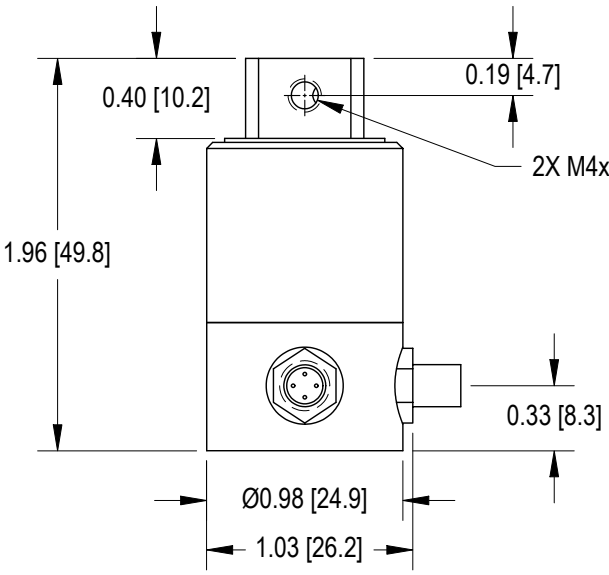
INCH (mm)	R.O.= Rated Output		
WIRING CODE (CC6)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN / YELLOW PIN 'C'	WHITE PIN 'D'



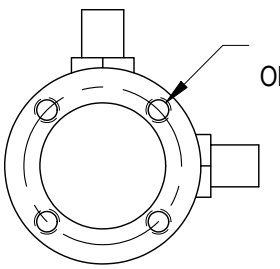


MICROTECH RECEPTACLE
DR-4S
MATING CONNECTOR
DP-4S-1
(NOT INCLUDED)





Ⓐ



SPECIFICATIONS:

RATED OUTPUT	*2 mV/V nom.*
CAPACITY	*500 N (112 lb)*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*15 MAX*
BRIDGE RESISTANCE	*350 Ω nom*
NONLINEARITY	*±0.25% of R.O.*
HYSTERESIS	*±0.25% of R.O.*
NONREPEATABILITY	*±0.1% of R.O.*
TEMP. SHIFT ZERO	*±0.01% of R.O./°F (0.018% 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 72°C)*
OPERATING TEMP.	*32 to 185°F (0 to 85°C)*
WEIGHT	*100 g*
MATERIAL- (FLEXURE)	*STAINLESS STEEL*

CONNECTOR: MICROTECH RECEPTACLE DR-4S)

MATERIAL:
—

HEAT TREATMENT - FINISH:
—

REVISIONS: (Refer to dwg # revision sheet)
Ⓐ 11-12-07
Ⓑ 11-26-07

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

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CAGE: 1X8M6

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MODEL: QMA114	DWG No.: FO1200
DRAWN BY: R. WALKER	CHECKED BY: J. VARGAS
APPROVED BY: -	DATE: Nov 9, 2007