

# FUTEK MODEL MTA500 (L2905)

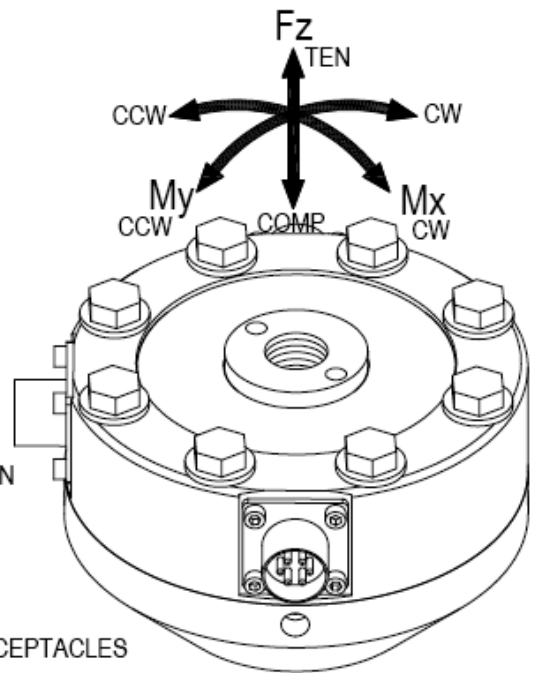
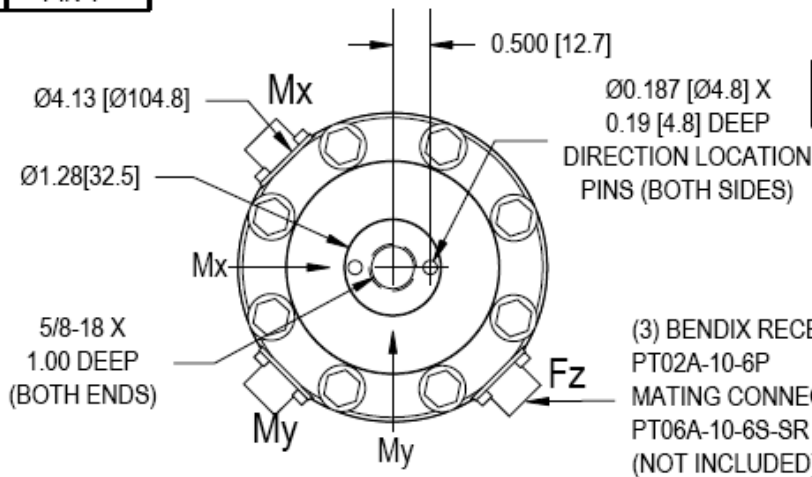
# LOW PROFILE THRUST AND MOMENT LOAD CELL

**Drawing Number: FI1008-B**

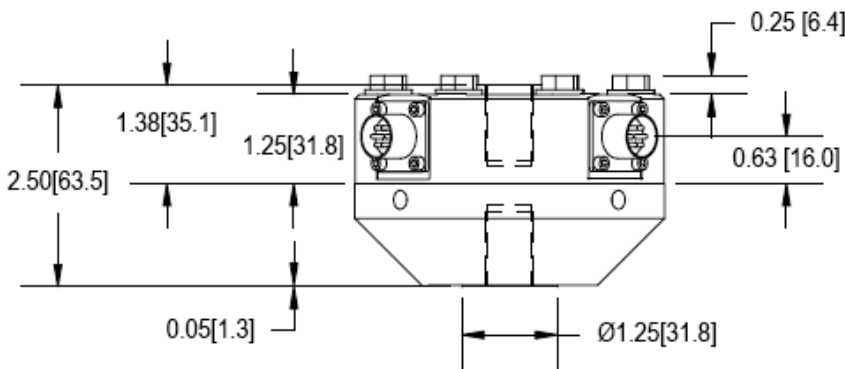
**INCH [mm] | R.O.= Rated Output**

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'		



TEN=TENSION (+OUTPUT)  
 COMP=COMPRESSION (-OUTPUT)  
 CW=CLOCKWISE (+OUTPUT)  
 CCW=COUNTER CLOCKWISE (-OUTPUT)



## SPECIFICATIONS:

<b>RATED OUTPUT</b>	1 mV/V nom.
<b>CAPACITY</b>	SEE CHART
<b>SAFE OVERLOAD</b>	150% of R.O.
<b>ZERO BALANCE</b>	±2% of R.O.
<b>EXCITATION (VDC OR VAC)</b>	18 MAX
<b>BRIDGE RESISTANCE</b>	350/700Ω nom.
<b>NONLINEARITY (Mx, My)</b>	±0.5% of R.O.
<b>NONLINEARITY (Fz)</b>	±0.2% of R.O.
<b>CROSS TALK</b>	±2% of R.O. OR LESS
<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>	60 to 160°F (15 to 72°C)
<b>OPERATING TEMP.</b>	-60 to 200°F (-50 to 93°C)
<b>MATERIAL</b>	SEE CHART
<b>CONNECTOR:</b>	(3) 6 Pin BENDIX Receptacle (PT02A-10-6P)
<b>ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE</b>	
<b>CALIBRATION (STD)</b>	5 pt. COMPRESSION, CW ; 100 KΩ SHUNT CAL. VALUE
<b>CALIBRATION (OPTIONAL)</b>	5 pt. TENSION, CCW
<b>CALIBRATION TEST EXCITATION</b>	10 VDC

STOCK#	CAPACITY		MATERIAL
	lb (Fz)	in-lb (Mx, My)	
FSH02505	1000	400	ALUMINUM
FSH01929	2000	800	17-4 S.S.
FSH02299	5000	1000	
FSH02453	10000	2000	

**FUTEK**  
 ADVANCED SENSOR TECHNOLOGY, INC.

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CAGE CODE # 1X8M6

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