

# FUTEK MODEL MTA250

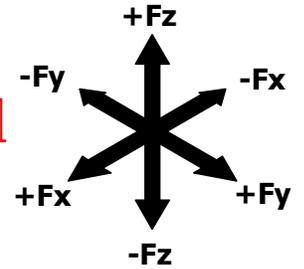
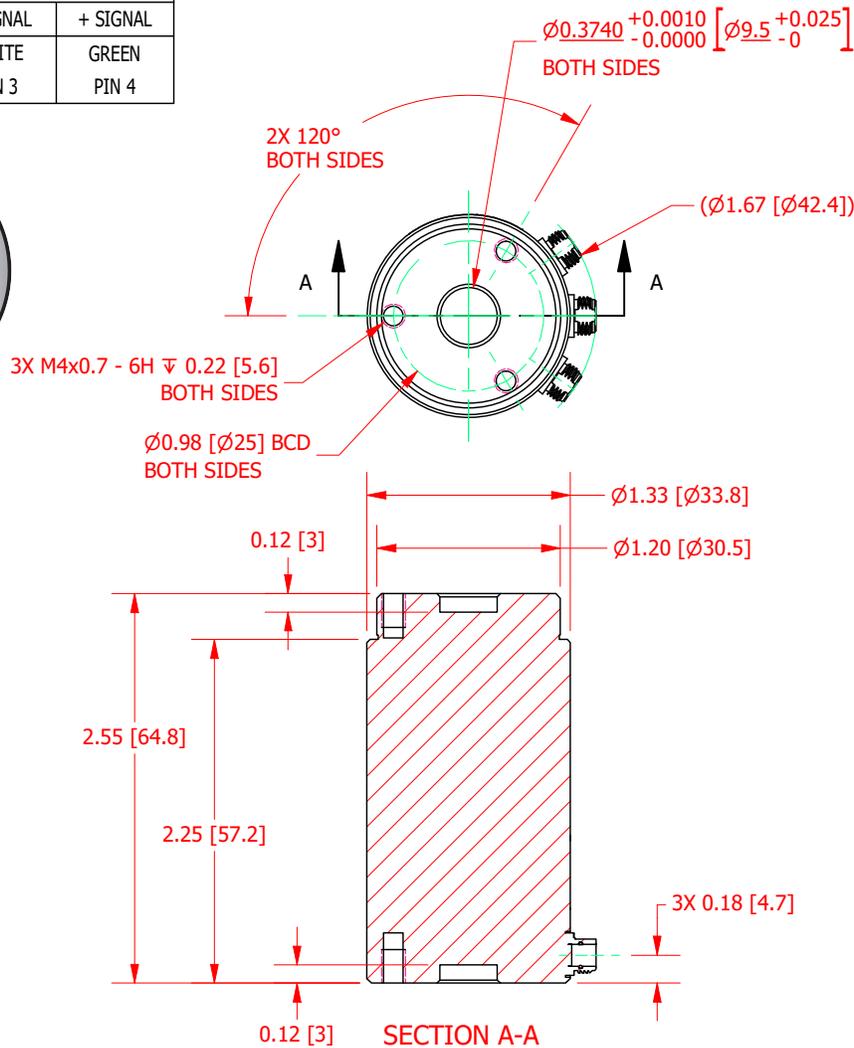
## Inline 3-Axis Load Cell, 4 Pin Micro Receptacle

ITEM NUMBER: FSH04850

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

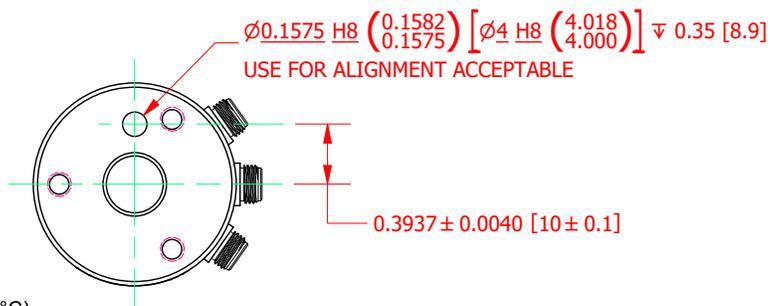
### WIRING CODE: CC19

+ EXCITATION	- EXCITATION	- SIGNAL	+ SIGNAL
RED PIN 1	BLACK PIN 2	WHITE PIN 3	GREEN PIN 4



### SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	10 lb. [44.4N]
SAFE OVERLOAD	300 % of R.O.
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	Fx & Fy: 350 Ω nom. Fz: 1000 Ω nom.
NONLINEARITY	±0.15% of R.O.
HYSTERESIS	±0.15% of R.O.
NONREPEATABILITY	±0.15% 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)
WEIGHT (approx)	0.26 lb [120 g]
MATERIAL	Sensor: 2024-T4 Cover: 17-4 PH
DEFLECTION	Fx & Fy: 0.012 [0.3] nom. Fz: 0.005 [0.13] nom.
NATURAL FREQ	Fx & Fy: 550 Hz Fz: 950 Hz
IP Rating	IP40
CONNECTOR: 4 Pin Micro Receptacle per Channel	
RoHS Compliance to (EU) 2015/63	



# FUTEK

Drawing Number: FI1572-0

FUTEK reserves the right to modify its design and specifications without notice. Please visit [www.futek.com/salesterms](http://www.futek.com/salesterms) for complete terms and conditions.

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.



RoHS



10 THOMAS  
IRVINE, CA 92618 USA  
Tel: (949) 465-0900