

# FUTEK MODEL LCF650 (L2900)

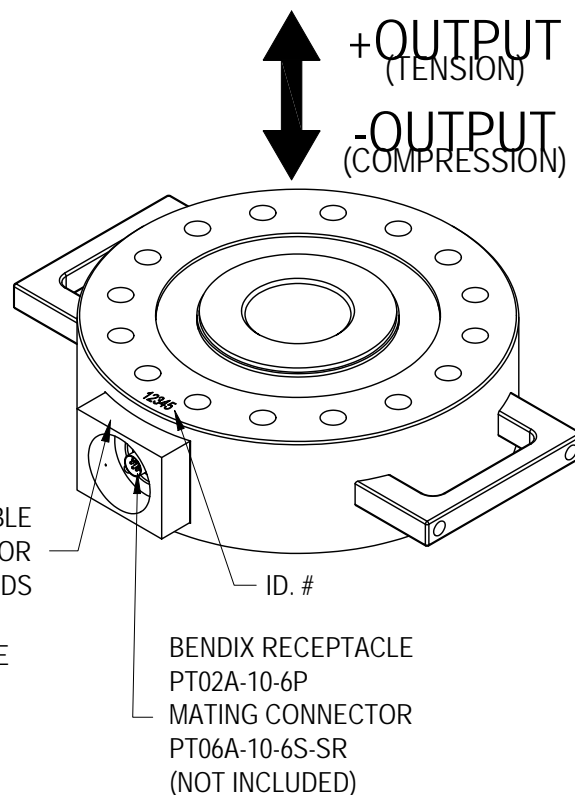
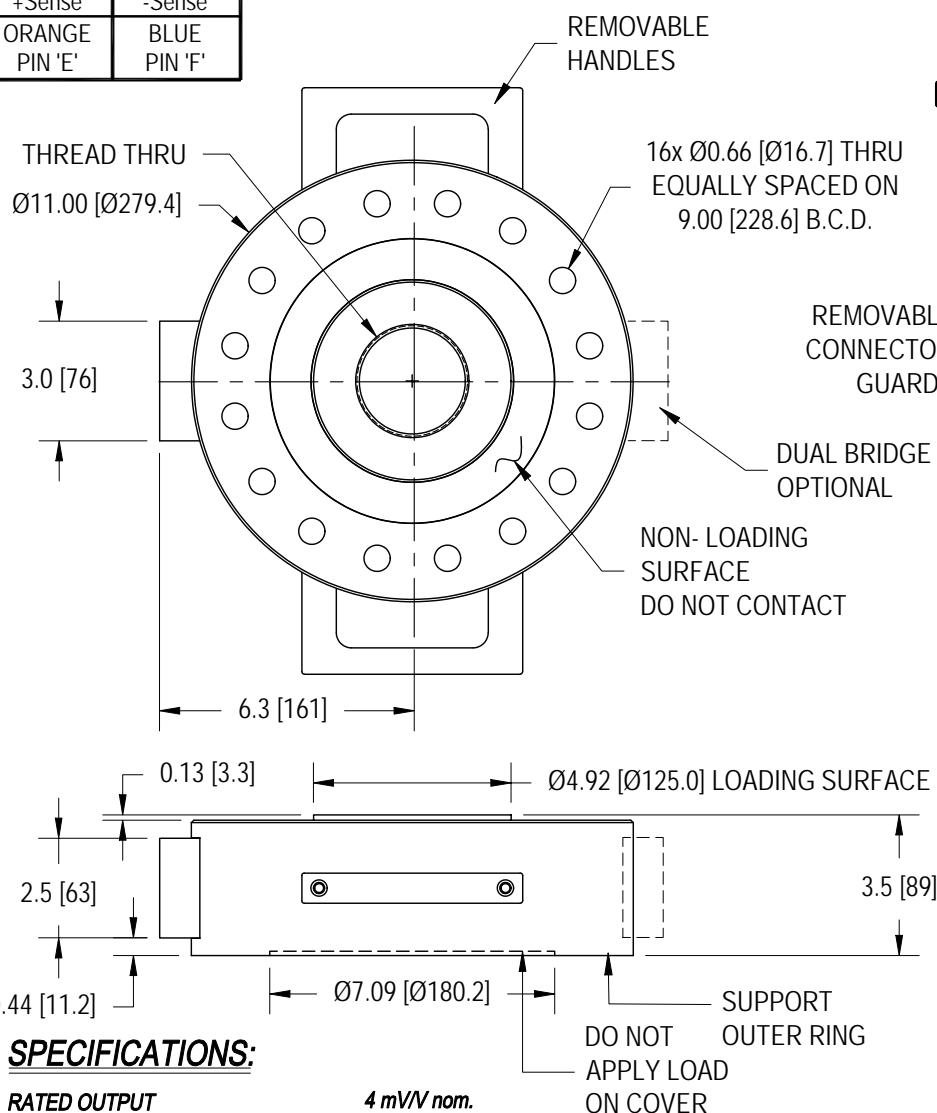
## LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

**Drawing Number: FI1014-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'		



REFER TO LCF655 FOR  
TENSION BASE VERSION

### SPECIFICATIONS:

<b>RATED OUTPUT</b>	4 mV/V nom.
<b>CAPACITY</b>	250K lb [1.11mil N]
<b>SAFE OVERLOAD</b>	150% of R.O.
<b>ZERO BALANCE</b>	±1% of R.O.
<b>EXCITATION (VDC OR VAC)</b>	20 MAX
<b>BRIDGE RESISTANCE</b>	350 Ω
<b>NONLINEARITY</b>	±0.1% of R.O.
<b>HYSTERESIS</b>	±0.2% of R.O.
<b>NONREPEATABILITY</b>	±0.02% of R.O.
<b>CREEP</b>	±0.02% of LOAD
<b>TEMP. SHIFT ZERO</b>	±0.001% of R.O./°F [0.0018% of R.O./°C]
<b>TEMP. SHIFT SPAN</b>	±0.002% of LOAD/°F [0.0036% 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>	17-4PH
<b>WEIGHT</b>	70lb [31.8]
<b>DEFLECTION</b>	0.002 to 0.005 [0.05 to 0.13] nom.
<b>CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)</b>	
<b>ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE</b>	
<b>CALIBRATION (STD)</b>	5 pt. COMPRESSION; 30 K Ω SHUNT CAL. VALUE
<b>CALIBRATION TEST EXCITATION</b>	10 VDC

STOCK NO:	THREAD	DUAL BRIDGE
FSH02932	2 3/4 - 8	
FSH02936		X
FSH02933	M 72 x 2	
FSH03040		X

### OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PC04E-10-6P)  
BENDIX MATING CONNECTOR (PC06E-10-6S-SR)  
BENDIX RECEPTACLE (PT02H-10-6P)  
BENDIX MATING CONNECTOR (PT06A-10-6S-SR)