

FUTEK MODEL LCF550 (L2900)  
STOCK# FSH00153

# LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

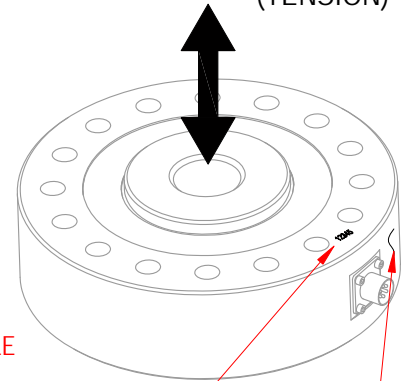
**Drawing Number: F11013**

**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'		

16 X Ø0.531 [Ø13.5] THRU EQUALLY SPACED ON 6.50 [165.1] B.C.D.

+OUTPUT  
(TENSION)



Ø3.50 [Ø88.8]

Ø8.00 [Ø203.2]

BENDIX RECEPTACLE  
PT02A-10-6P  
MATING CONNECTOR  
PT06A-10-6S-SR  
(NOT INCLUDED)

ID. #

FUTEK LABEL

NON  
LOADING  
SURFACE  
DO NOT  
CONTACT

1 3/4-12 UNF-2B THRU

LOADING SURFACE

2.50 [63.5]

2.25 [57.2]

Ø5.25 [Ø133.4]

SUPPORT  
OUTER RING

DO NOT  
APPLY LOAD  
ON COVER

REFER TO LCF555 FOR TENSION BASE VERSION

## SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.	
CAPACITY	100K lb [444800N]	
SAFE OVERLOAD	150% of R.O.	
ZERO BALANCE	±1% of R.O.	
EXCITATION (VDC OR VAC)	20 MAX	
BRIDGE RESISTANCE	350 Ω	
NONLINEARITY	±0.1% of R.O.	} HIGHER SPECIFICATIONS OF 0.05% AVAILABLE CONTACT FACTORY
HYSTERESIS	±0.2% of R.O.	
NONREPEATABILITY	±0.02% of R.O.	
CREEP	±0.02% of LOAD	
TEMP. SHIFT ZERO	±0.001% of R.O./°F [0.0018% of R.O./°C]	
TEMP. SHIFT SPAN	±0.002% of LOAD/°F [0.0036% of LOAD/°C]	
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]	
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]	
MATERIAL	17-4PH / ALLOY STEEL	
WEIGHT	24lb [10.9kg]	
DEFLECTION	0.002 to 0.005 [0.05 to 0.13] nom.	
CONNECTOR:	6 Pin BENDIX Receptacle (PT02A-10-6P)	
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE		
CALIBRATION (STD)	5pt. COMPRESSION; 60.4 K Ω SHUNT CAL. VALUE	
CALIBRATION TEST EXCITATION	10 VDC	

## OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PCO4E-10-6P)  
BENDIX MATING CONNECTOR (PCO6E-10-6S-SR)  
BENDIX RECEPTACLE (PTO2H-10-6P)  
BENDIX MATING CONNECTOR (PTO6A-10-6S-SR)

**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

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