

FUTEK MODEL L2900

LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

Drawing Number: F1080-15

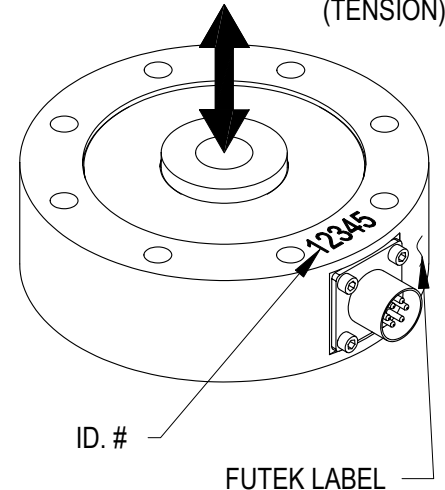
INCH [mm] | R.O. = Rated Output

WIRING CODE (CC1)

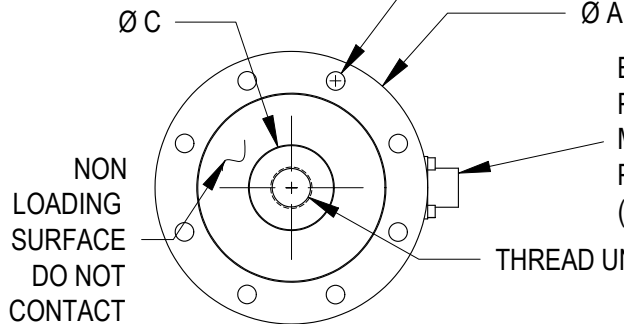
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		

E X ØB THRU EQUALLY
SPACED ON F B.C.D.

+OUTPUT
(TENSION)



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



THREAD UNF-2B THRU

LOADING SURFACE

REFER TO L2901 FOR TENSION BASE VERSION

CAPACITY lb	N	A	B	C	D	E	F	G	H	THREAD	WEIGHT
300	1334										
500	2224										
1000	4448										
2000	8896	4.12 [104.6]	0.281 [7.1]	1.275 [32.4]	1.370 [34.8]	8	3.50 [88.9]	2.850 [72.4]	1.25 [31.8]	5/8-18	1.3 lb [0.6 Kg] (ALUMINUM)
3000	13344									M16 X 2	3.5 lb [1.6 Kg] (STEEL)
5000	22240										
10000†	44480										
10000	44480										
20000	88960	5.98 [151.9]	0.406 [10.3]	2.42 [61.5]	1.75 [44.5]	12	5.125 [130.2]	4.33 [110.0]	1.63 [41.4]	1 1/4-12	9 lb [4.1 Kg]
30000	133400									M33 X 2	
50000	222400										
100000	444800	8.00 [203.2]	0.531 [13.5]	3.50 [88.9]	2.50 [63.5]	16	6.50 [165.1]	5.25 [133.4]	2.25 [57.15]	1 3/4-12	24 lb [10.9 Kg]
250000	1.11 mil.	11.00 [279.4]	0.656 [16.7]	4.92 [125]	3.50 [88.9]		9.00 [228.6]	7.09 [180.1]	3.37 [85.6]	2 3/4-8	70 lb [31.8 Kg]

† PRIMARY USE IS IN COMPRESSION DUE TO THREAD SIZE

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	20 MAX
BRIDGE RESISTANCE	700 Ω (500 to 10000 lb), 350 Ω (20K to 250 Klb) nom.
NONLINEARITY	±0.1% of R.O. } HIGHER SPECIFICATIONS OF 0.05% AVAILABLE
HYSTERESIS	±0.2% of R.O. } CONTACT FACTORY
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	ANODIZED ALUMINUM (500-2000 lb), 17-4PH / ALLOY STEEL (3 - 250K lb)
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)	5 pt. COMPRESSION; 100K Ω (500 to 10000 lb)
	60K Ω (20 to 250 Klb) 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)