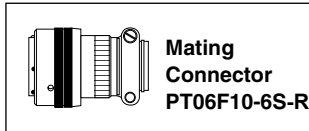


HIGH-OUTPUT UNIVERSAL CANISTER LOAD CELLS



LC1102-100 shown smaller than actual size.



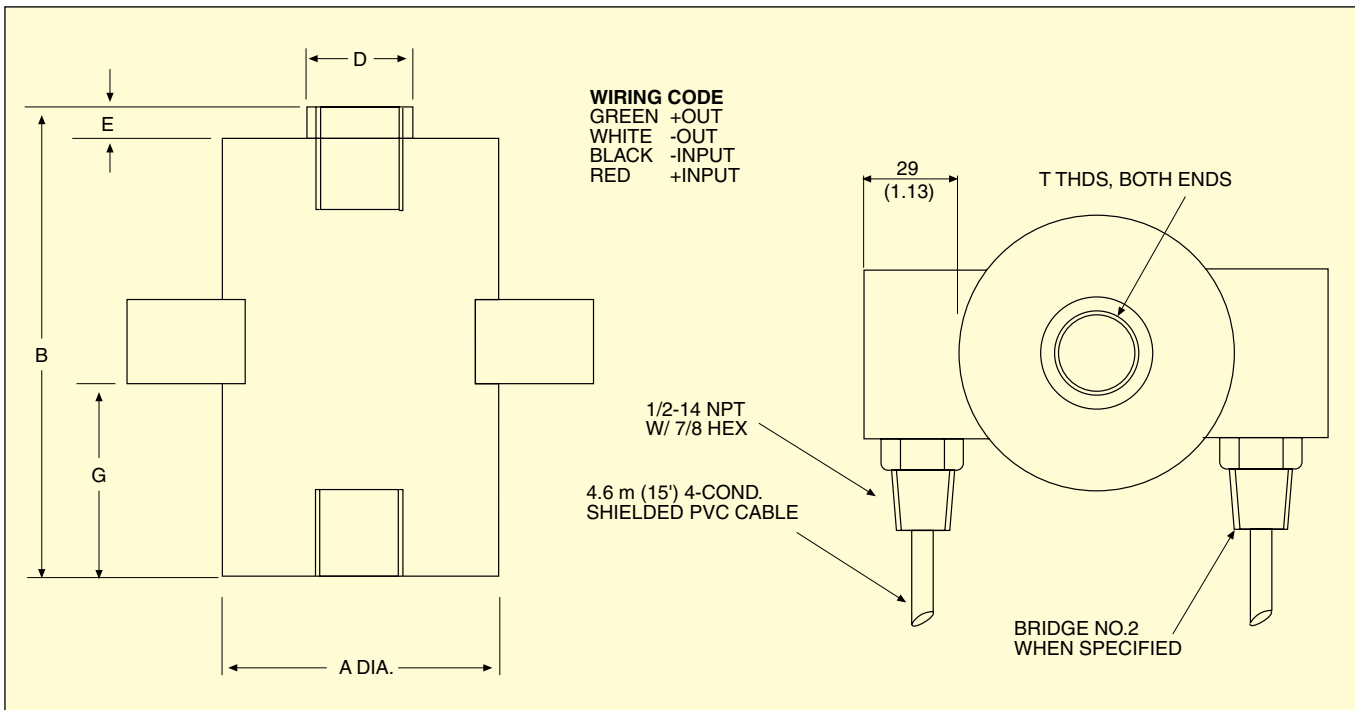
SPECIFICATIONS

Output: 3 mV/V $\pm 0.25\%$ FSO
Excitation: 10 Vdc (15V maximum)
Accuracy Class: $\pm 0.05\%$ FSO
Linearity: $\pm 0.05\%$ FSO
Hysteresis: $\pm 0.02\%$ FSO
Repeatability: $\pm 0.02\%$ FSO
Zero Balance: $\pm 1.0\%$ FSO
Operating Temp Range:
 -24 to 79°C (-30 to 175°F)
Compensated Temp Range:
 16 to 71°C (60 to 160°F)
Thermal Effects:
Zero: $\pm 0.003\%$ FSO/°C
Span: $\pm 0.014\%$ rdg/°C
Protection Class: IP67
Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Bridge Resistance: 350 Ω
Full Scale Deflection:
 0.08 to 0.13 mm (0.003 to 0.005") typical.

Construction: Stainless steel
Electrical: 4.6 m (15') 4-conductor shielded color-coded cable

POPULAR OPTIONS (Additional Cost)

0 to 5 Vdc Output: "5V"
Overload Stops: "-OL"
Dual Bridge:
 ≤ 2000 kg: "-DUAL"
 > 2000 kg: "-DUAL"
Extended Temperature Range:
 -45 to 93°C: "-TC1"
 -45 to 177°C: "-TC2"
 (-50 to 350°F)
Watertight Cable Exit: "-WTC"
Additional Cable Length Available
Note: 100,000 lb capacity load cells are supplied with 2 eyebolts for easy handling.



Dimensions: mm (inch)

CAPACITY		A	B	D	E	G	T
50 to 300 lb	23 to 136 kg	89 (3.5)	114 (4.50)	22 (0.87)	6.4 (0.25)	76 (3.00)	3/8-24 UNF x 3/16 DP
500 to 3000 lb	227 to 1361 kg	89 (3.5)	116 (4.56)	38 (1.5)	6.4 (0.25)	32 (1.25)	1/2-20 UNF x 1/2 DP
5000 to 15,000 lb	2269 to 6806 kg	89 (3.5)	151 (5.94)	33 (1.3)	9.7 (0.38)	71 (1.81)	1-14 UNS x 1 1/4 DP
20,000 to 30,000 lb	9074 to 13,612 kg	114 (4.5)	216 (8.5)	58 (2.3)	13 (0.50)	197 (2.81)	1 1/2 UNF x 2.0 DP
50,000 lb	22,686 kg	168 (6.63)	291 (11.44)	71 (2.8)	16 (0.62)	81 (3.19)	2-12 UN x 2% DP
100,000 lb	13,612 kg	219 (8.63)	451 (17.75)	102 (4.0)	29 (1.13)	125 (4.94)	3-8 UN x 4 1/2 DP