

# 3 mV/V OUTPUT CANISTER LOAD CELLS STAINLESS STEEL

## LC1102/LC1112 Series

Tension/Compression

Calibrated in Tension†

LC1102 (Cable Style)

LC1112 (Connector Style)

0-50 lb to 0-100,000 lb

0-23 kg to 0-45,372 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

† Ranges ≥100,000 lb calibrated in compression.

Models Available with Built-In Amplifiers! See Page F-86.



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LC1102-5K, \$1150, shown smaller than actual size, see next page for dimensions.

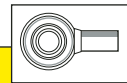


Starts at  
**\$995**

- ✓ FM and CSA Approved Intrinsically Safe
- ✓ Optional FM and CSA Approved for Hazardous Locations (Single Bridge Models Only)
- ✓ 5-Point Calibration Included
- ✓ Dual-Bridge Models Available
- ✓ High Accuracy



**MOST POPULAR MODELS HIGHLIGHTED!**



### To Order (Specify Model Number)

CAPACITY		CABLE STYLE	CONNECTOR STYLE	PRICE	COMPATIBLE METERS**	LOAD BUTTON		ROD END	
lb	kg					MODEL	PRICE	MODEL	PRICE
50	23	LC1102-50	LC1112-50	\$995	DP41-B, DP41-S, DP25B-S	LBC-038	\$40	REC-038M	\$20
100	45	LC1102-100	LC1112-100	995	DP41-B, DP41-S, DP25B-S	LBC-038	40	REC-038M	20
300	136	LC1102-300	LC1112-300	995	DP41-B, DP41-S, DP25B-S	LBC-038	40	REC-038M	20
500	227	LC1102-500	LC1112-500	995	DP41-B, DP41-S, DP25B-S	LBC-012	40	REC-012M	35
1000	455	LC1102-1K	LC1112-1K	995	DP41-B, DP41-S, DP25B-S	LBC-012	40	REC-012M	35
2000	909	LC1102-2K	LC1112-2K	995	DP41-B, DP41-S, DP25B-S	LBC-012	40	REC-012M	35
5000	2269	LC1102-5K	LC1112-5K	1150	DP41-B, DP41-S, DP25B-S	LBC-100	55	REC-100M	95
10,000	4537	LC1102-10K	LC1112-10K	1150	DP41-B, DP41-S, DP25B-S	LBC-100	55	REC-100M	95
15,000	6806	LC1102-15K	LC1112-15K	1150	DP41-B, DP41-S, DP25B-S*	LBC-100	55	REC-100M	95
20,000	9074	LC1102-20K	LC1112-20K	1300	DP41-B, DP41-S, DP25B-S*	LBC-112	70	REC-112M	150
25,000	11,343	LC1102-25K	LC1112-25K	1300	DP41-B, DP41-S, DP25B-S*	LBC-112	70	REC-112M	150
50,000	22,686	LC1102-50K	LC1112-50K	†	DP41-B, DP41-S, DP25B-S*	LBC-200-12	114		
100,000	45,372	LC1102-100K	LC1112-100K	†	DP41-B, DP41-S, DP25B-S*	LBC-300-8	125		

Comes with 5-point NIST-traceable calibration. † Special quote. \* 4-digit meter, counts by 10. \*\* See section D for compatible meters.

To order an FM Hazardous Location model (not available on Dual Bridge Models), add suffix “-FM” to model number and \$150 to price.

To order a dual bridge version, add suffix “-DUAL” to model number. See next page for pricing.

To order unit with integral connector, specify LC1112, no extra charge. PT06F-10-6S, mating connector (not included), \$26.50.

Ordering Examples: LC1102-100K, 100,000 lb capacity load cell, \$2800. LC1112-5K, 5000 lb capacity load cell with integral connector, \$1150. PT06F-10S, mating connector (not included), \$26.50. LC1102-500-FM, 500 lb capacity FM Hazardous Location rated load cell, \$995 + 150 = \$1145. LC1102-100-DUAL, dual-output 100 lb capacity load cell, \$995 + 250 = \$1245.

### ACCESSORY

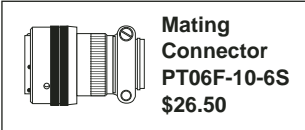
MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure



# HIGH-OUTPUT UNIVERSAL CANISTER LOAD CELLS



LC1102-100, \$995, shown smaller than actual size.



## SPECIFICATIONS

**Output:** 3 mV/V  $\pm 0.25\%$  FSO  
**Excitation:** 10 Vdc (15 V max)  
**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  $\Omega$   
**Full Scale Deflection:**  
 0.08 to 0.13 mm (0.003 to 0.005") typ.  
**Construction:** Stainless steel

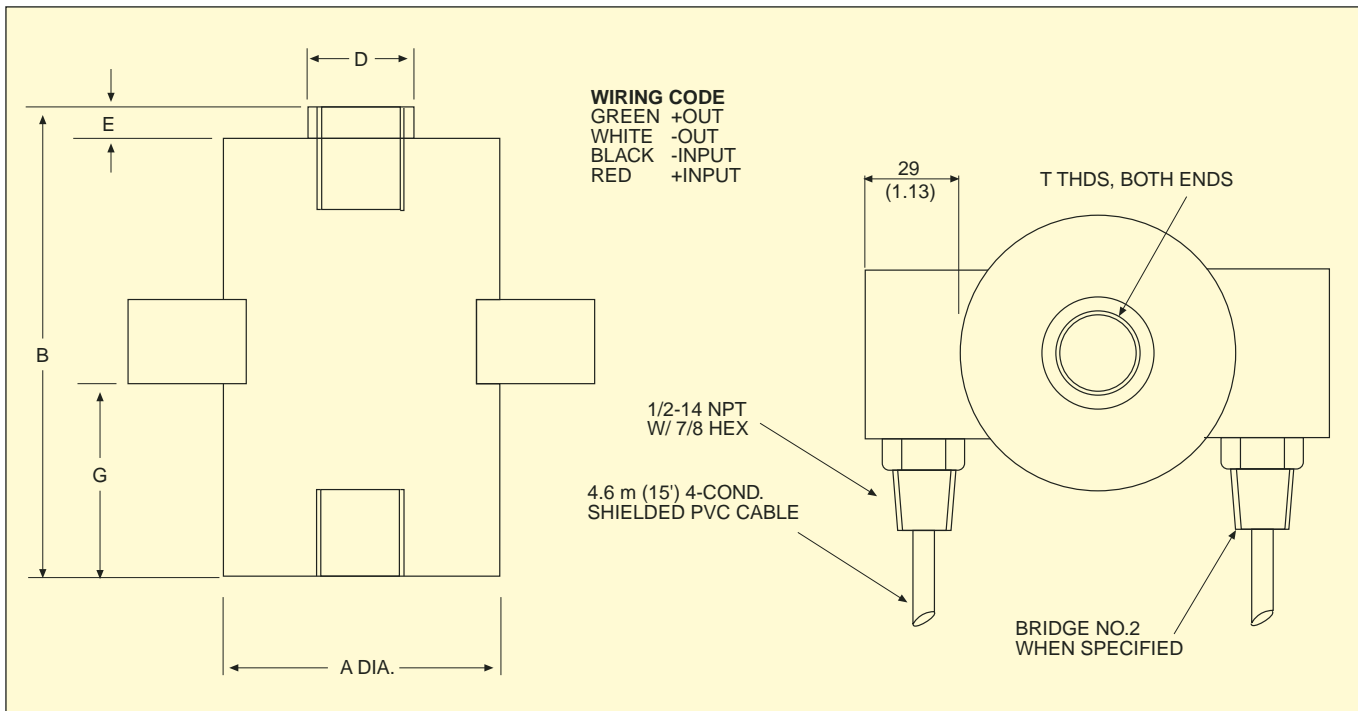
**Electrical:** 4.5 m (15') 4-conductor shielded color-coded cable

**Agency Approvals:**  
 FM/CSA Intrinsically Safe:  
 IS/I.II.III/1/CDEFG (standard)

## POPULAR OPTIONS

	Price
<b>0 to 5 Vdc Output</b> "5V"	\$175
<b>Overload Stops:</b> "-OL"	Consult Factory
<b>Dual Bridge:</b>	
≤2000 kg "DUAL"	250
>2000 kg "DUAL"	350
<b>Extended Temperature Range:</b>	
-45 to 93°C (-50 to 200°F) "-TC1"	50
-45 to 177°C (-50 to 350°F) "-TC2"	225
<b>Watertight Cable Exit:</b> "-WTC"	125
<b>Additional Cable Length:</b>	6.50/ft

*Note: 100,000 lb capacity load cells are supplied with 2 eyebolts for easy handling.*



## Dimensions: mm (in)

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

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