



SPEC SHEET
LC1103/LC1113

Interchangeable with
Model TH-CT1

\$860
Model Shown

HIGH CAPACITY UNIVERSAL CANISTER LOAD CELL

Rugged Stainless Steel Case

LC1103/LC1113 Series
Tension/Compression
Calibrated in Tension

±50 to ±1,000,000 lb
±200 N to ±4 MN

1 Newton = 0.2248 lb
1 daNewton = 10 Newtons
1 lb = 454 g
1 t = 1000 kg = 2204 lb

LC1103 = Cable Style
LC1113 = Connector Style

- ☑ 5-Point Calibration Included
- ☑ Dual Bridge Models Available
- ☑ High Accuracy
- ☑ FM and CSA Approved
Intrinsically Safe Standard
- ☑ Rugged, Corrosion Resistant
- ☑ Environmentally Protected

*Models Available with
Built-in Amplifiers*

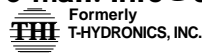
For Sales and Service
In U.S.A. and Canada

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Model LC1103-10K \$860
Shown Smaller Than Actual Size

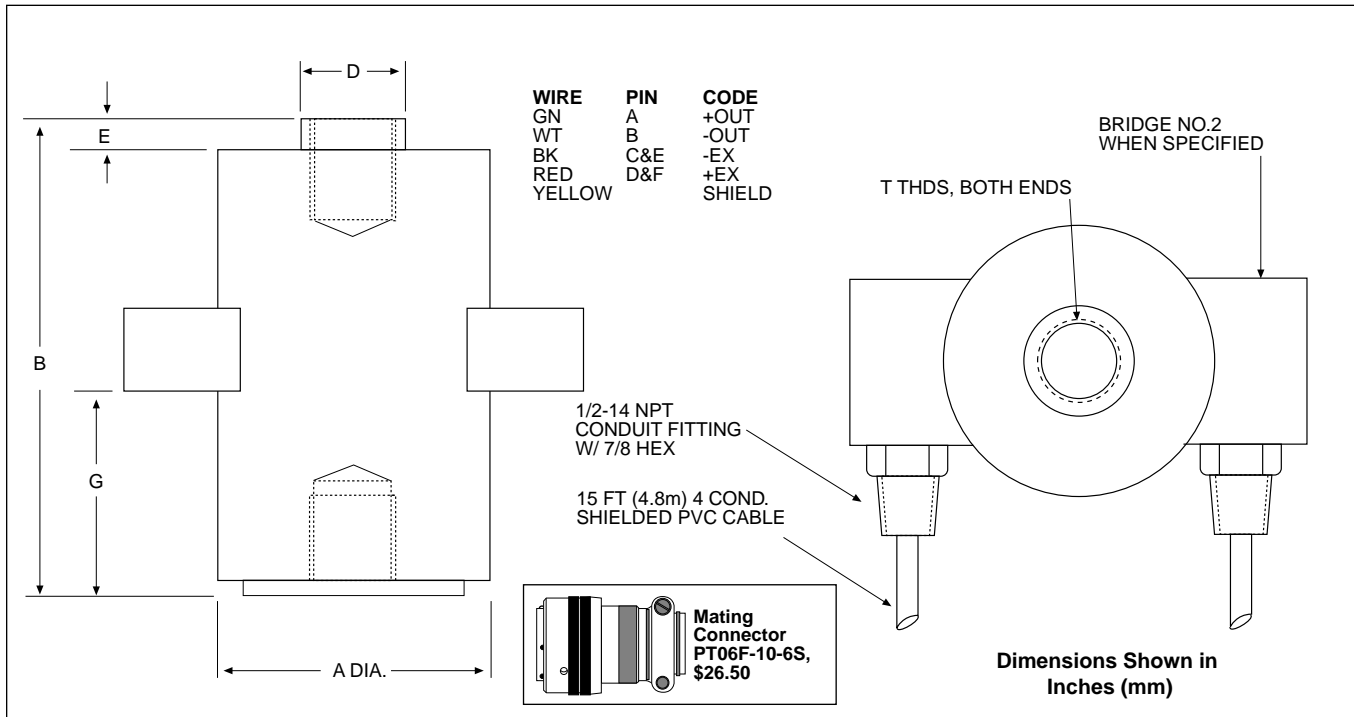
SPECIFICATIONS:

Output: 2 mV/V ±0.25 % FSO
Excitation: 10V ac/dc (15V Max)
Accuracy Class: 0.1% FSO
Linearity:
≤10K: ±0.05% FSO
>10K: ±0.1% FSO
Hysteresis: ±0.05% FSO
Repeatability: ±0.05% FSO
Zero Balance: ±1.0% FSO
Operating Temp. Range:
-46 to 121°C (-50 to 250°F)
Compensated Temp. Range :
16 to 71°C (60 to 160°F)
Thermal Effects:
Zero: ±0.0015% FSO/°F
Span: ±0.0008% Rdg/°F

Safe Overload: 150 % of Capacity
Ultimate Overload: 300 % of Capacity
Bridge Resistance: 350 ohms ±5 ohms
Full Scale Deflection: .003-.005 Typ.
Construction:
≤100,000 lb: Stainless Steel
>100,000 lb: High Alloy Steel.
Electrical: 15 ft (4.6m) PVC Coated 4-
conductor shielded color coded cable.
Agency Approvals: FM/CSA
Intrinsically Safe: IS/I.II.III/1/CDEFG -
Standard

Printed On Recycled Paper





Capacity (lb)	A	B	D	E	G	T
50-300	3.5(89)	4.5(114)	.88(22)	.25(6.4)	3.0(76)	3/8-24 UNF x 3/8 DP
500-3K	3.5(89)	4.6(116)	1.5(38)	.25(6.4)	1.25(32)	1/2-20 UNF x 1/2 DP
5K-15K	3.5(89)	5.25(133)	1.5(38)	.25(6.4)	2.0(51)	1-14 UNS x 1.0 DP
20K-75K	4.5(114)	7.75(197)	2.13(54)	.25(6.4)	3.25(83)	1 1/2-12 UNF x 2.0 DP
100K-150K	8.63(219)	17.75(451)	3.5(89)	.50(13)	7.75(197)	3-8 UN x 3 1/2 DP
200K-300	8.63(219)	17.75(451)	5.0(127)	.50(13)	7.75(197)	4-8 UN x 4.0 DP
500K	8.63(219)	17.75(451)	5.5(140)	.50(13)	7.75(197)	4-8 UN x 4.0 DP

► Most Popular Models Highlighted ◀ Prices Shown in U.S. Dollars

To Order: (Specify Model Number)								
Capacity (lb)	Cable Style	Connector Style	Price	Compatible Meters	Load Button Model	Price	Rod End Model	Price
±50	LC1103-50	LC1113-50	\$860	INFW, INFS, INFCS	LBC-038	\$40	REC-038M	\$20
±100	LC1103-100	LC1113-100	860	INFW, INFS, INFCS	LBC-038	40	REC-038M	20
±300	LC1103-300	LC1113-300	860	INFW, INFS, INFCS	LBC-038	40	REC-038M	20
► ±500	LC1103-500	LC1113-500	860	INFW, INFS, INFCS	LBC-012	40	REC-012M	35
±1,000	LC1103-1K	LC1113-1K	860	INFW, INFS, INFCS	LBC-012	40	REC-012M	35
±2,500	LC1103-2.5K	LC1113-2.5K	860	INFW, INFS, INFCS	LBC-012	40	REC-012M	35
±5,000	LC1103-5K	LC1113-5K	860	INFW, INFS, INFCS	LBC-100	55	REC-100M	95
► ±10,000	LC1103-10K	LC1113-10K	860	INFW, INFS, INFCS	LBC-100	55	REC-100M	95
±20,000	LC1103-20K	LC1113-20K	1200	INFW, INFS, INFCS*	LBC-112	70	REC-100M	95
► ±50,000	LC1103-50K	LC1113-50K	1200	INFW, INFS, INFCS*	LBC-112	70	REC-112M	150
► ±100,000	LC1103-100K	LC1113-100K	1900	INFW, INFS, INFCS*	LBC-300	250		
► ±200,000	LC1103-200K	LC1113-200K	2300	INFW, INFS, INFCS*				
±300,000	LC1103-300K	LC1113-300K	2960	INFW, INFS, INFCS*				
±500,000	LC1103-500K	LC1113-500K	3250	INFW, INFS, INFCS*				

* 4 Digit meter

Metric Ranges Available - Consult Engineering

Note: Models >300,000 lb are calibrated at 300,000 lb. Full scale calibration above 300,000 lb within ±1% available. Add suffix "-FS" to the model number and \$1,500 to price.

To order a dual bridge version, add suffix DUAL to the part number, add \$250 to price.

Ordering Examples: 1.) LC1103-2.5K is a 2,500 lb capacity load cell, \$860.

2.) LC1103-100K is 100,000 lb capacity load cell, \$1900.

3.) LC1103-100K-DUAL is a 100,000 lb capacity, Dual Bridge load cell \$1,900 + 250 = \$2150.