



**LC8100/LC8125 Series
Compression**

0-5 to 0-500 lb
0-20 to 0-2,000 N

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

\$470
Model Shown

- Low Profile
- All Stainless Steel Construction
- Rugged Industrial Design

The LC8100 and LC8125 Series Donut Load Cells are an economical solution to applications requiring a through-hole design. With their extremely low profile and compact design these load cells are ideal for applications such as clamping forces, bolt loading forces and other compressive loads. These Series with their all stainless steel construction and environmental protection have a proven reliability in tough industrial applications.

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

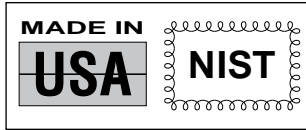
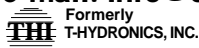
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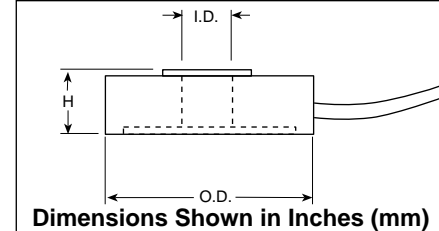
Interchangeable with
Series TH-CM1

SPEC SHEET
LC8100

MINIATURE LOW PROFILE THROUGH-HOLE LOAD CELLS 1.00 to 1.25 inch O.D.



MODEL LC8125-200-25
Shown Smaller Than Actual Size



Model	O.D.	H	Wire	Connection
LC8100	1.00 (25)	0.28 (7.1)	GN	+Output
LC8125	1.25 (19)	0.25 (6.4)	WT	-Output
			BK	-Input
			RD	+Input

SPECIFICATIONS:

Output: 2 mV/V nominal
Input: 10 Vdc (15 V max)
Accuracy: ±1.0% Linearity, Hysteresis, and Repeatability Combined
Zero Balance: ±2.0% FSO
Operating Temp. Range: -54 to +121°C (-65 to +250°F)
Compensated Temp. Range: +16 to +71°C (+60 to +160°F)

Thermal Effects: Zero: ±0.005% FSO/°F Span: ±0.010% Rdg/°F
Safe Overload: 150 % of Capacity
Ultimate Overload: 300 % of Capacity
Input Resistance: 360 ohms minimum
Output Resistance: 350 ±5 ohms
Construction: 17-4 PH Stainless Steel
Electrical: 5ft (1.5m) 4-conductor Shielded PVC cable

Model	Inside Diameters (I.D.)						
	0.100"	0.125"	0.188"	0.200"	0.250"	0.312"	0.375"
LC8100	X	X	X	+	X		
LC8125	X	X	X	+	X	+	X

► Most Popular Models Highlighted ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Capacity (lb)	Model Number	Price	Compatible Meters
Model LC8100 with a 1.00" O.D. and Selectable I.D.			
0-5	LC8100-[J]-5	\$470	INFW, INFS, INFCS
0-10	LC8100-[J]-10	470	INFW, INFS, INFCS
0-25	LC8100-[J]-25	470	INFW, INFS, INFCS
0-50	LC8100-[J]-50	470	INFW, INFS, INFCS
0-100	LC8100-[J]-100	470	INFW, INFS, INFCS
0-200	LC8100-[J]-200	470	INFW, INFS, INFCS
Model LC8125 with a 1.25" O.D. and Selectable I.D.			
0-25	LC8125-[J]-25	470	INFW, INFS, INFCS
0-50	LC8125-[J]-50	470	INFW, INFS, INFCS
0-100	LC8125-[J]-100	470	INFW, INFS, INFCS
0-250	LC8125-[J]-250	470	INFW, INFS, INFCS
0-500	LC8125-[J]-500	470	INFW, INFS, INFCS

Interchangeable with Series TH-CM1

Metric Ranges Available-Consult Engineering.

- Ordering Example:** Select I.D. from table to complete Model Number
- 1.) LC8100-200-200 is a 200 lb capacity load cell with 1.00" O.D. and 0.200" I.D., \$470.
 - 2.) LC8100-125-10 is a 10 lb capacity load cell with 1.00" O.D. and 0.125" I.D., \$470.
 - 3.) LC8125-188-25 is a 25 lb capacity load cell with 1.25" O.D. and 0.188" I.D., \$470.
 - 4.) LC8125-200-500 is a 500 lb capacity load cell with 1.25" O.D. and 0.200" I.D., \$470.

