



**LC8050/LC8075 Series  
Compression**

0-100 to 0-1,000 grams  
0-1 to 0-10 N

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

**\$575**  
Model Shown

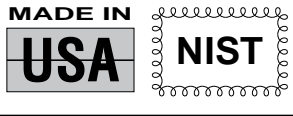
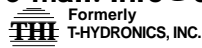
- ☑ Low Profile
- ☑ All Stainless Steel Construction
- ☑ Rugged Industrial Design

The LC8050 and LC8075 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**  
**1-800-872-3963**  
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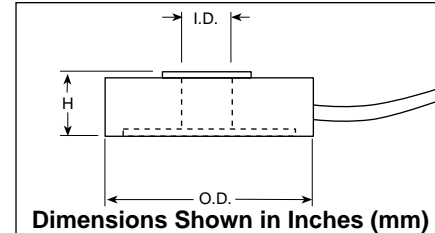


Interchangeable with  
Series TH-CM1

**SPEC SHEET**  
**LC8050**

# SUBMINIATURE LOW RANGE THROUGH-HOLE LOAD CELLS

## 0.50 to 0.75 inch O.D.



Model	O.D.	H	Wire	Connection
LC8050	0.50 (13)	0.15 (3.8)	GN	+Output
			WT	-Output
LC8075	0.75 (19)	0.25 (6.4)	BK	-Input
			RD	+Input

**SPECIFICATIONS:**

**Output:** 20 mV/V nominal

**Input:** 5 Vdc

**Accuracy:** ±1.0% Linearity, Hysteresis and Repeatability Combined

**Zero Balance:** ±2.0% FSO

**Operating Temp. Range:** -29 to +93°C (-20 to +200°F)

**Compensated Temp. Range:** +16 to +71°C (+60 to +160°F)

**Thermal Effects:** Zero: ±0.01% FSO/°F  
Span: ±0.02% Rdg/°F

**Safe Overload:** 150 % of Capacity

**Ultimate Overload:** 300 % of Capacity

**Input Resistance:** 500 ohms minimum

**Construction:** 17-4 PH Stainless Steel

**Electrical:** 5ft (1.5m) 4-conductor  
Shielded PVC cable

Inside Diameters (I.D)	+ = Most Popular					X = Available
Model	0.100"	0.125"	0.188"	0.200"	0.250"	
LC8050	+					
LC8075	+	+	X	X	X	

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

To Order: (Specify Model Number)			
Capacity (g)	Model Number	Price	Compatible Meters
<b>Model LC8050 with a 0.50" O.D. and 0.10" I.D.</b>			
0-150	LC8050-100-150	\$575	INFW, INFS, INFCS
0-250	LC8050-100-250	575	INFW, INFS, INFCS
0-500	LC8050-100-500	575	INFW, INFS, INFCS
0-1,000	LC8050-100-1KG	575	INFW, INFS, INFCS
<b>Model LC8075 with a 0.75" O.D. and Selectable I.D.</b>			
0-150	LC8075-[ ]-150	\$575	INFW, INFS, INFCS
0-250	LC8075-[ ]-250	575	INFW, INFS, INFCS
0-500	LC8075-[ ]-500	575	INFW, INFS, INFCS
0-1,000	LC8075-[ ]-1KG	575	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.) LC8050-100-250 is a 250 g capacity load cell with 0.50" O.D. and 0.10" I.D., \$575.
- 2.) LC8050-100-1KG is a 1,000 g capacity load cell with 0.50" O.D. and 0.10" I.D., \$575.
- 3.) LC8075-125-150 is a 150 g capacity load cell with 0.75" O.D. and 0.125" I.D., \$575.
- 4.) LC8075-188-250 is a 250 g capacity load cell with 0.75" O.D. and 0.188" I.D., \$575.

