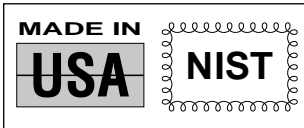




**\$480**  
Model Shown



Interchangeable with  
Series TH-DL11

**SPEC SHEET**  
LC8000 Large

**LC8000 Large Series  
Compression**

0-1k to 0-100 klb  
0-4k to 0-400 kN

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

- ☑ Large I.D. Application
- ☑ All Stainless Steel Construction
- ☑ Rugged Industrial Design

The LC8313, LC8400 and LC8450 Series Donut Load Cells are a space saving solution to applications requiring a large through-hole with limited space. With their rugged construction and design these load cells are ideal for applications such as loading forces on large bolts or other suspended load applications. This Series with their all stainless steel construction and environmental protection have a proven reliability in tough industrial applications.

**SPECIFICATIONS:**

**Output:** 2 mV/V nominal  
**Input:** 10 Vdc (15 V max)  
**Accuracy Class:** ±0.5% Linearity, Hysteresis, and Repeatability Combined  
**Zero Balance:** ±2.0% FSO

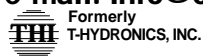
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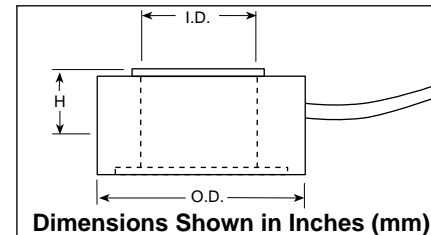
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# LARGE I.D. THROUGH-HOLE LOAD CELLS 2.00 to 3.13 inch I.D.



Model	O.D.	H	Wire	Connection
LC8313	3.13 (80)	0.50 (13)	GN	+Output
LC8400 (1K-50K)	4.00 (102)	1.00 (25)	WT	-Output
LC8400 (≥100K)	4.00 (102)	2.00 (51)	RD	+Input
LC8450	4.50 (114)	1.25 (32)		

**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)				X = Available
	2.00"	2.13"	3.00"	3.13"	
LC8313	X	+			
LC8400	X	+			
LC8450			X	+	

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

To Order: (Specify Model Number)			
Capacity (lb)	Model Number	Price	Compatible Meters
<b>Model LC8313 with a 3.13" O.D. and Selectable I.D.</b>			
0-1K	LC8313-[ J]-1K	\$480	INFW, INFS, INFCS
0-3K	LC8313-[ J]-3K	480	INFW, INFS, INFCS
0-5K	LC8313-[ J]-5K	480	INFW, INFS, INFCS
<b>Model LC8400 with a 4.00" O.D. and Selectable I.D.</b>			
0-1K	LC8400-[ J]-1K	480	INFW, INFS, INFCS
0-3K	LC8400-[ J]-3K	480	INFW, INFS, INFCS
0-5K	LC8400-[ J]-5K	480	INFW, INFS, INFCS
0-10K	LC8400-[ J]-10K	480	INFW, INFS, INFCS
0-25K	LC8400-[ J]-25K	650	INFW, INFS, INFCS
0-50K	LC8400-[ J]-50K	650	INFW, INFS, INFCS
0-100K	LC8400-[ J]-100K	750	INFW, INFS, INFCS
0-200K	LC8400-[ J]-200K	750	INFW, INFS, INFCS
<b>Model LC8450 with a 4.50" O.D. and Selectable I.D.</b>			
0-1K	LC8450-[ J]-1K	480	INFW, INFS, INFCS
0-3K	LC8450-[ J]-3K	480	INFW, INFS, INFCS
0-5K	LC8450-[ J]-5K	480	INFW, INFS, INFCS
0-10K	LC8450-[ J]-10K	480	INFW, INFS, INFCS

Interchangeable with Series TH-DL11 Metric Ranges Available-Consult Engineering.

- Ordering Example:** Select I.D. from table to complete Model Number
- 1.) LC8313-200-3K is a 3000 lb capacity load cell with 3.13" O.D. and 2.00" I.D., \$480.
  - 2.) LC8400-200-10K is a 10,000 lb capacity load cell with 4.00" O.D. and 2.00" I.D., \$480.
  - 3.) LC8400-213-25K is a 25,000 lb capacity load cell with 4.00" O.D. and 2.13" I.D., \$650.
  - 4.) LC8450-313-5K is a 5,000 lb capacity load cell with 4.50" O.D. and 3.13" I.D., \$480.

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