

# SUBMINIATURE LOW RANGE THROUGH-HOLE LOAD CELLS

## 0.50 TO 0.75 INCH O.D.

### LC8050/LC8075 Series

#### Compression

0-100 g to 0-1,000 g

0-1 N to 0-10 N

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

LC8050  
\$575  
Model Shown



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

The LC8050 and LC8075 Series Donut Load Cell is an economical solution to applications requiring a through-hole design. With its extremely low profile and compact design, this load cell is ideal for applications such as measuring clamping forces, bolt loading forces and other compressive loads. This series, with its all stainless steel construction and environmental protection, has proven its reliability in tough industrial applications.

#### 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)

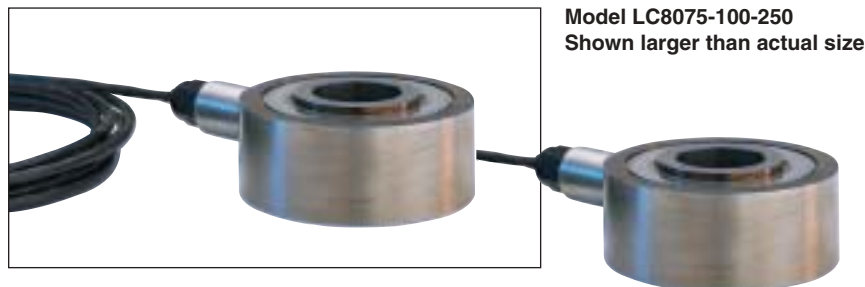
**Thermal Effects:**

**Zero:** ±0.01% FSO/°F

**Span:** ±0.02% Rdg/°F

**Safe Overload:** 150 % of Capacity

**Ultimate Overload:** 300 % of Capacity

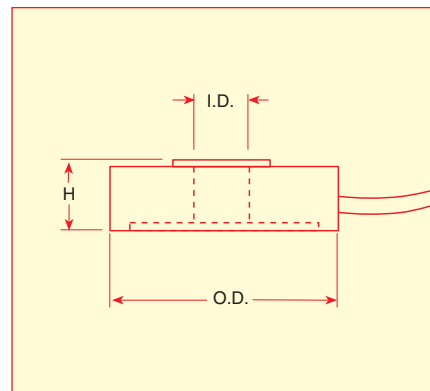


Model	Inside Diameters (I.D)					X = Available
	0.100"	0.125"	0.188"	0.200"	0.250"	
LC8050	+					
LC8075	+	+	X	X	X	

**Input Resistance:** 500 Ω minimum  
**Construction:** 17-4 PH Stainless Steel  
**Electrical:** 5 ft (1.5 m) 4-conductor Shielded PVC cable

Dimensions Shown in Inches (mm)

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



#### Most Popular Models Highlighted

To Order (Specify Model Number)			
CAPACITY (g)	MODEL NO.	PRICE	COMPATIBLE METERS**
<b>Model LC8050 with a 0.50" O.D. and 0.100 I.D.</b>			
0 to 150	LC8050-100-150	\$575	DP41-W, DP41-S, DP25-S
0 to 250	LC8050-100-250	575	DP41-W, DP41-S, DP25-S
0 to 500	LC8050-100-500	575	DP41-W, DP41-S, DP25-S
0 to 1,000	LC8050-100-1KG	575	DP41-W, DP41-S, DP25-S
<b>Model LC8075 with a 0.75" O.D. and Selectable I.D.</b>			
0 to 150	LC8075-[ * ]-150	\$575	DP41-W, DP41-S, DP25-S
0 to 250	LC8075-[ * ]-250	575	DP41-W, DP41-S, DP25-S
0 to 500	LC8075-[ * ]-500	575	DP41-W, DP41-S, DP25-S
0 to 1,000	LC8075-[ * ]-1KG	575	DP41-W, DP41-S, DP25-S

Metric Ranges Available-Consult Engineering

\*\*See Section D For Compatible Meters

\*Ordering Examples: Select I.D. from table above to complete Model Number

- 1.) LC8050-100-250 is a 250 g capacity load cell with 0.50" O.D. and 0.100" I.D., \$575
- 2.) LC8050-100-1KG is a 1,000 g capacity load cell with 0.50" O.D. and 0.100" 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