

# COMPACT THROUGH-HOLE LOAD CELLS 3.00" OD

## LC8300 Series

### Compression

0-1000 lb to 0-100,000 lb

0-455 kg to 0-45,372 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

Starts at  
**\$480**



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

The LC8300 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. This series, with its all stainless steel construction and environmental protection, has proved reliable in tough industrial applications.

### SPECIFICATIONS

**Output:** 2 mV/V nominal

**Input:** 10 Vdc (15 V max)

**Linearity:** ±0.5% FSO

**Repeatability:** ±0.1% FSO

**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:** ±0.009% FSO/°C

**Span:** ±0.018% rdg/°C

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Input Resistance:** 360 Ω minimum

**Output Resistance:** 350 ±5 Ω

LC8300-250-2K, \$480,  
shown actual size.

**Protection Class:** IP65

**Full Scale Deflection:**

0.003" nominal

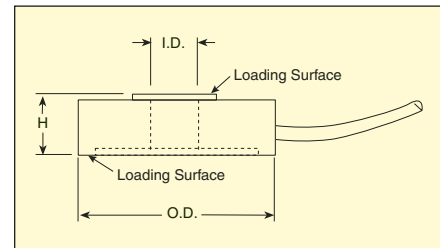
**Construction:** 17-4 PH stainless steel

**Electrical:** 1.5 m (5') 4-conductor shielded cable

**Dimensions:** mm (in)

MODEL	OD	H
LC8300	76 (3.00)	25 (1.00)

WIRE	CONNECTION
GN	+Output
WT	-Output
BK	-Input
RD	+Input



AVAILABLE INSIDE DIAMETERS (ID)												
CAPACITY	0.250"	0.375"	0.500"	0.625"	0.750"	0.875"	0.938"	1.00"	1.13"	1.25"	1.38"	1.50"
1000	X	X	X	X	X	X	X	X	X	X	X	X
2000	X	X	X	X	X	X	X	X	X	X	X	X
3000	X	X	X	X	X	X	X	X	X	X	X	X
5000		X	X	X	X	X	X	X	X	X	X	X
7500		X	X	X	X	X	X	X	X	X	X	X
10,000		X	X	X	X	X	X	X	X	X	X	X
15,000			X	X	X	X	X	X				
20,000			X	X	X	X	X	X				
30,000			X	X	X	X	X	X				
40,000			X	X	X	X	X	X				
50,000			X	X	X	X	X	X				
75,000			X	X	X	X	X	X				
100,000			X	X	X	X	X	X				

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

CAPACITY	MODEL NO.	PRICE	COMPATIBLE METERS**
<b>Model LC8300 with a 3.00" OD and Selectable ID</b>			
1000 lb	455 kg	LC8300-[*]-1K	\$480 DP41-S, DP25B-S, DPiS
2000 lb	909 kg	LC8300-[*]-2K	480 DP41-S, DP25B-S, DPiS
3000 lb	1361 kg	LC8300-[*]-3K	480 DP41-S, DP25B-S, DPiS
4000 lb	1815 kg	LC8300-[*]-4K	480 DP41-S, DP25B-S, DPiS
5000 lb	2269 kg	LC8300-[*]-5K	480 DP41-S, DP25B-S, DPiS
7500 lb	3403 kg	LC8300-[*]-7.5K	480 DP41-S, DP25B-S, DPiS
10,000 lb	4537 kg	LC8300-[*]-10K	480 DP41-S, DP25B-S, DPiS
20,000 lb	9074 kg	LC8300-[*]-20K	650 DP41-S, DP25B-S, DPiS*
30,000 lb	13,612 kg	LC8300-[*]-30K	650 DP41-S, DP25B-S, DPiS*
40,000 lb	18,149 kg	LC8300-[*]-40K	650 DP41-S, DP25B-S, DPiS*
50,000 lb	22,686 kg	LC8300-[*]-50K	650 DP41-S, DP25B-S, DPiS*
75,000 lb	34,029 kg	LC8300-[*]-75K	750 DP41-S, DP25B-S, DPiS*
100,000 lb	45,372 kg	LC8300-[*]-100K	750 DP41-S, DP25B-S, DPiS*

Comes with 5-point NIST-traceable calibration.

\* 4-digit meter. \*\* See section D for compatible meters.

[\*] Select ID from table above to complete model number.

**Ordering Examples:** LC8300-750-2K, 2000 lb capacity load cell, 3.00" OD and 0.750" ID, \$480. LC8300-750-100K, 100,000 lb capacity load cell, 3.00" OD and 0.750" ID, \$750. LC8300-1.25-10K, 10,000 lb capacity load cell, 3.00" OD and 1.25" ID, \$480.

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