

COMPACT THROUGH-HOLE LOAD CELLS 3.00" OD

LC8300 Series Compression 0-1000 lb to 0-100,000 lb 0-455 kgf to 0-45,372 kgf

1 Newton = 0.2248 lb
1 daNewton = 10 Newtons
1 lb = 454 g
1 t = 1000 kgf = 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 (15V 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

LC8300-750-2K, \$480,
shown actual size.

Full Scale Deflection:

0.003" nominal

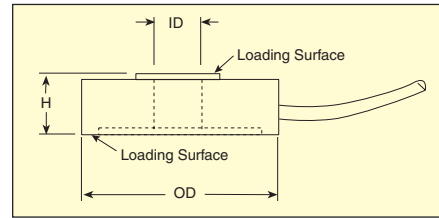
Construction: 17-4 PH
stainless steel

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

Dimensions: mm (in)

MODEL	OD	H
LC8300	76.3 (3.00)	25.4 (1.00)

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



AVAILABLE INSIDE DIAMETERS (ID) + = MOST POPULAR X = AVAILABLE												
ID CODE	250	375	500	625	750	875	938	1.00	1.13	1.25	1.38	1.50
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
2000	X	X	+	X	X	X	X	X	+	X	X	X
3000	X	X	+	X	X	X	X	X	+	X	X	X
5000		X	+	X	X	X	X	X	+	X	X	X
7500		X	+	X	X	X	X	X	+	X	X	X
10,000		X	+	X	X	X	X	X	+	X	X	X
15,000			+	X	X	X	X	X				
20,000			+	X	X	X	X	X				
30,000			+	X	X	X	X	X				
40,000			+	X	X	X	X	X				
50,000			+	X	X	X	X	X				
75,000			+	X	X	X	X	X				
100,000			+	X	X	X	X	X				

Also available in metric configurations, consult engineering for details.

MOST POPULAR MODELS HIGHLIGHTED!

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

Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.

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

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

Ordering Examples: LC8300-750-2K, 2000 lb capacity load cell, 0.750" ID, \$480.

LC8300-750-100K, 100,000 lb capacity load cell, and 0.750" ID, \$750.

LC8300-1.25-10K, 10,000 lb capacity load cell, and 1.25" ID, \$480.