

COMPACT THROUGH-HOLE LOAD CELLS

2.50" OD

LC8250-250-3K, \$480,
shown actual size.



LC8250-250-100K, \$750,
shown actual size.

LC8250 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 LC8250 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

Full Scale Deflection: 0.003" nominal

Construction: 17-4 PH stainless steel

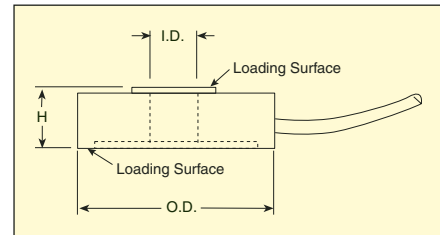
Electrical: 1.5 m (5') 4-conductor shielded cable

Protection Class: IP65

Dimensions:
mm (in)

MODEL	OD	H
LC8250	64 (2.50)	25 (1.0)

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*
Model LC8250 with a 2.50" OD and Selectable ID			
1000 lb	455 kg	LC8250-[*]-1K	\$480 DP41-S, DP25B-S, DPiS
2000 lb	909 kg	LC8250-[*]-2K	480 DP41-S, DP25B-S, DPiS
3000 lb	1361 kg	LC8250-[*]-3K	480 DP41-S, DP25B-S, DPiS
4000 lb	1815 kg	LC8250-[*]-4K	480 DP41-S, DP25B-S, DPiS
5000 lb	2269 kg	LC8250-[*]-5K	480 DP41-S, DP25B-S, DPiS
7500 lb	3403 kg	LC8250-[*]-7.5K	480 DP41-S, DP25B-S, DPiS
10,000 lb	4537 kg	LC8250-[*]-10K	480 DP41-S, DP25B-S, DPiS
20,000 lb	9074 kg	LC8250-[*]-20K	650 DP41-S, DP25B-S, DPiS
30,000 lb	13,612 kg	LC8250-[*]-30K	650 DP41-S, DP25B-S, DPiS
40,000 lb	18,149 kg	LC8250-[*]-40K	650 DP41-S, DP25B-S, DPiS
50,000 lb	22,686 kg	LC8250-[*]-50K	650 DP41-S, DP25B-S, DPiS
75,000 lb	34,029 kg	LC8250-[*]-75K	750 DP41-S, DP25B-S, DPiS
100,000 lb	45,372 kg	LC8250-[*]-100K	750 DP41-S, DP25B-S, DPiS

Comes with 5-point NIST-traceable calibration.

* See section D for compatible meters.

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

Ordering Examples: LC8250-750-2K, 2000 lb capacity load cell, 2.50" OD and 0.750" ID, \$480. LC8250-375-7.5K, 7500 lb capacity load cell, 2.50" OD and 0.375" ID, \$480. LC8250-125-10K, 10,000 lb capacity load cell, 2.50" OD and 1.25" ID, \$480.

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• Flow and Level

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters