

MINIATURE LOW-PROFILE, THROUGH-HOLE LOAD CELLS 1.00 TO 1.25" OD



LC8100/LC8125 Series

Compression
0-5 lb to 0-500 lb
0-2.3 kg to 0-227 kg

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

All Models
\$470



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

The LC8100 and LC8125 Series donut load cells are an economical solution to applications requiring a through-hole design. With their extremely low-profile and compact design, they 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 the toughest industrial applications.

SPECIFICATIONS

Output: 2 mV/V nominal
Input: 10 Vdc (15 V max)
Accuracy: ±1.0% linearity, hysteresis and repeatability combined
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
Deflection: 0.075 mm (0.003") nominal
Input Resistance: 360 Ω minimum
Output Resistance: 350 ±5 Ω



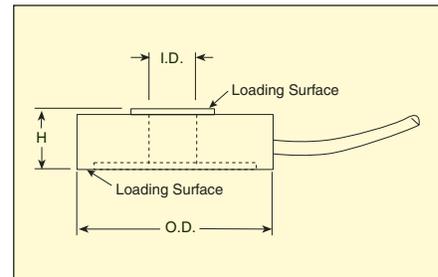
LC8125-200-25, \$470, shown larger than actual size.

Construction: 17-4 PH stainless steel
Electrical: 1.5 m (5') 4-conductor shielded cable

Dimensions: mm (in)

MODEL	OD	H
LC8100	25 (1.00)	7.1 (0.28)
LC8125	32 (1.25)	6.4 (0.25)

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



MODEL	INSIDE DIAMETERS (ID) + = MOST POPULAR X = AVAILABLE						
	0.100"	0.125"	0.188"	0.200"	0.250"	0.312"	0.375"
LC8100	X	X	X	+	X		
LC8125	X	X	X	+	X	+	X

☐ MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
Model LC8100 with a 1.00" OD and Selectable ID				
5 lb	2.3 kg	LC8100-[*]-5	\$470	DP41-S, DP25B-S, DPiS
10 lb	4.5 kg	LC8100-[*]-10	470	DP41-S, DP25B-S, DPiS
25 lb	11 kg	LC8100-[*]-25	470	DP41-S, DP25B-S, DPiS
50 lb	23 kg	LC8100-[*]-50	470	DP41-S, DP25B-S, DPiS
100 lb	45 kg	LC8100-[*]-100	470	DP41-S, DP25B-S, DPiS
200 lb	91 kg	LC8100-[*]-200	470	DP41-S, DP25B-S, DPiS
Model LC8125 with a 1.25" OD and Selectable ID				
25 lb	11 kg	LC8125-[*]-25	470	DP41-S, DP25B-S, DPiS
50 lb	23 kg	LC8125-[*]-50	470	DP41-S, DP25B-S, DPiS
100 lb	45 kg	LC8125-[*]-100	470	DP41-S, DP25B-S, DPiS
250 lb	114 kg	LC8125-[*]-250	470	DP41-S, DP25B-S, DPiS
500 lb	227 kg	LC8125-[*]-500	470	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: LC8100-200-200, 200 lb capacity load cell, 1.00" OD and 0.200" ID, \$470. LC8100-125-10, 10 lb capacity load cell, 1.00" OD and 0.125" ID, \$470. LC8125-188-25, 25 lb capacity load cell, 1.25" OD and 0.188" ID, \$470. LC8125-200-500, 500 lb capacity load cell with 1.25" OD and 0.200" ID, \$470.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure



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• pH and Conductivity

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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