

LOW-PROFILE, THROUGH-HOLE LOAD CELLS 1.50" OD

LC8150 Series

Compression

0-500 lb to 0-5000 lb

0-45 kg to 0-2269 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

All Models
\$480



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

The LC8150 Series donut load cells are an economical solution to applications requiring a through-hole design. With their 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 the toughest 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

Deflection: 0.076 mm (0.003") FS nom.

Output Resistance: 350 ±5 Ω



LC8150-200-1000,
\$480, both shown larger
than actual size.



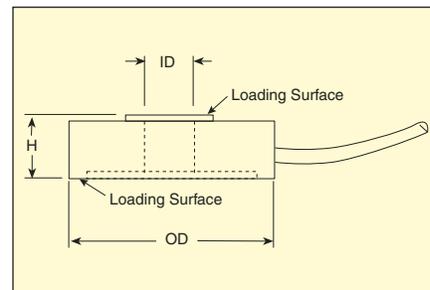
Construction: 17-4 PH stainless steel

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

Dimensions: mm (in)

MODEL	OD	H
LC8150	38 (1.50)	13 (0.50)

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



MODEL	INSIDE DIAMETERS (ID) + = MOST POPULAR X = AVAILABLE						
	0.100"	0.125"	0.200"	0.250"	0.312"	0.375"	0.500"
LC8150	X	X	X	+	X	+	X

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	CAPACITY	COMPATIBLE METERS*
Model LC8150 with a 1.50" OD and Selectable ID			
LC8150-[*]-100	\$480	100 lb / 45 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-250	480	250 lb / 114 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-500	480	500 lb / 227 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-1K	480	1000 lb / 455 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-2K	480	2000 lb / 909 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-3K	480	3000 lb / 1361 kg	DP41-S, DP25B-S, DPiS
LC8150-[*]-5K	480	5000 lb / 2269 kg	DP41-S, DP25B-S, DPiS

Comes complete with 5-point NIST-traceable calibration.

*See section D for compatible meters.

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

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1758	\$125	Reference Book: Strength of Materials and Structures

Ordering Examples: LC8150-100-250, 250 lb capacity load cell, 1.50" OD and 0.100" ID, \$480. LC8150-125-100, 100 lb capacity load cell, 1.50" OD and 0.125" ID, \$480. LC8150-200-2K, 2000 lb capacity load cell, 1.50" OD and 0.200" ID, \$480. LC8150-375-500, 500 lb capacity load cell with 1.50" OD and 0.375" ID, \$480.

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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