

TALL THROUGH-HOLE LOAD CELLS

1.50 TO 3.00" DIAMETER

LC8000-TALL Series

Compression

0-3000 lb to 0-150,000 lb

0-1361 kgf to 0-68,058 kgf

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kgf = 2204 lb

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from omega.com



LC8251-126-50K, \$690, shown actual size.

Starts at
\$625



Standard

- ✓ All Stainless Steel Construction
- ✓ Rugged Industrial Design

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

Full Scale Deflection: 0.08 mm (0.003") nominal

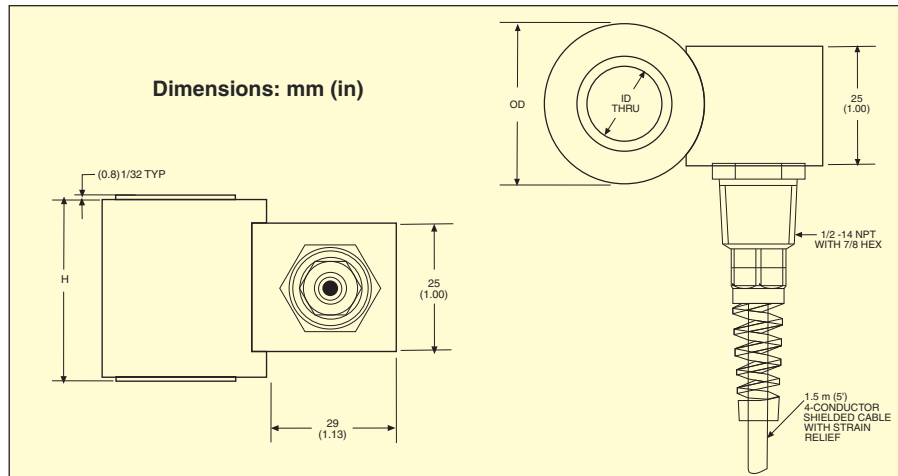
Construction: 17-4 PH stainless steel

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

Dimensions: mm (in)

MODEL	OD	H
LC8151	38 (1.50)	38 (1.50)
LC8251	64 (2.50)	64 (2.50)
LC8301	76 (3.00)	51 (2.00)
LC8302	76 (3.00)	76 (3.00)

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



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	ID	COMPATIBLE METERS**
3000 lb	1350 kgf	LC8151-500-3K	\$625	0.50	DP41-S, DP25B-S, DPiS
5000 lb	2275 kgf	LC8151-500-5K	625	0.50	DP41-S, DP25B-S, DPiS
10,000 lb	4500 kgf	LC8151-500-10K	625	0.50	DP41-S, DP25B-S, DPiS
20,000 lb	9100 kgf	LC8151-500-20K	625	0.50	DP41-S, DP25B-S, DPiS
10,000 lb	4500 kgf	LC8151-750-10K	625	0.75	DP41-S, DP25B-S, DPiS
25,000 lb	11,250 kgf	LC8151-750-25K	625	0.75	DP41-S, DP25B-S, DPiS*
50,000 lb	22,500 kgf	LC8251-126-50K	690	1.26	DP41-S, DP25B-S, DPiS*
75,000 lb	34,000 kgf	LC8251-126-75K	690	1.26	DP41-S, DP25B-S, DPiS*
100,000 lb	45,210 kgf	LC8251-126-100K	690	1.26	DP41-S, DP25B-S, DPiS*
75,000 lb	34,000 kgf	LC8301-126-75K	690	1.26	DP41-S, DP25B-S, DPiS*
100,000 lb	45,250 kgf	LC8301-126-100K	690	1.26	DP41-S, DP25B-S, DPiS*
150,000 lb	68,000 kgf	LC8302-151-150K	950	1.51	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.

Ordering Examples: LC8151-500-3K, 3000 lb capacity load cell, 1.50" Dia. and 0.50" ID, \$625.

LC8251-126-75K, 75,000 lb capacity load cell, 2.50" Dia. and 1.26" ID, \$690.

LC8302-151-150K, 150,000 lb capacity load cell, 3.00" Dia. and 1.51" ID, \$950.