

MINIATURE COMPRESSION LOAD CELL WITH THREADED CENTER HOLE

Compression

0-250 lb to 0-2000 lb

0-114 kg to 0-909 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

LC321 Series



- ✓ Miniature Package for Robotic Applications, 38 mm (1.5") Diameters
- ✓ Threaded Center Hole for Easy Installation
- ✓ 5-Point Calibration Provided
- ✓ Ultra-Low Profile

OMEGA's LC321 Series compression load cells offer a broad load range, a threaded center hole, and an ultra-low profile for easy installation. Their all stainless steel construction and rugged design ensure long life and high reliability in industrial environments.

SPECIFICATIONS

Output: 2 mV/V

Excitation: 10 Vdc, 15 Vdc maximum

Accuracy: $\pm 2.0\%$ FSO linearity, hysteresis, repeatability combined

5-Point Calibration: 0%, 50%, 100%, 50%, 0%

Zero Balance: $\pm 2\%$ FSO

Operating Temp Range: -54 to 121°C (-65 to 250°F)

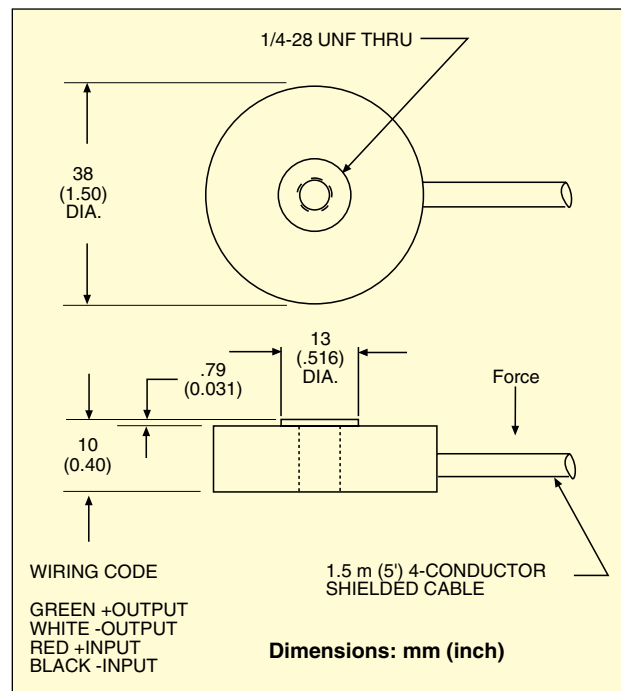
Compensated Temp Range: 16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: 0.005% FSO/°F

Span: 0.010% rdg/°F

Protection Class: IP65



Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 360 Ω minimum

Output Resistance: 350 $\pm 5 \Omega$

Construction: Stainless steel

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

To Order			
CAPACITY		MODEL NO.	COMPATIBLE METERS*
lb	kg		
250	114	LC321-250	DPiS, DP41-S, DP25B-S
500	227	LC321-500	DPiS, DP41-S, DP25B-S
750	341	LC321-750	DPiS, DP41-S, DP25B-S
1000	455	LC321-1K	DPiS, DP41-S, DP25B-S
2000	909	LC321-2K	DPiS, DP41-S, DP25B-S

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

* Visit us online for compatible meters.

Ordering Examples: LC321-750, 750 lb capacity subminiature compression load cell.

LC201-1K, 1000 lb capacity subminiature compression load cell.

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