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: ±2.0% FSO linearity, hysteresis, repeatability combined
5-Point Calibration: 0%, 50%, 100%, 50%, 0%
Zero Balance: ±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 ±5 Ω

**Construction:** Stainless steel
**Electrical:** 1.5 m (5’) 4-conductor shielded cable

**Dimensions:** mm (inch)

**To Order**

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>lb</th>
<th>kg</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
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<tbody>
<tr>
<td>250</td>
<td>114</td>
<td>LC321-250</td>
<td>DPIS, DP41-S, DP25B-S</td>
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<tr>
<td>500</td>
<td>227</td>
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<tr>
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<td>DPIS, DP41-S, DP25B-S</td>
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<td>1000</td>
<td>455</td>
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<td>DPIS, DP41-S, DP25B-S</td>
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<td>2000</td>
<td>909</td>
<td>LC321-2K</td>
<td>DPIS, DP41-S, DP25B-S</td>
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</tbody>
</table>

* 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.

*Note: To Order table provides compatible meters for each model number.*