19 mm (0.75”) DIAMETER STAINLESS STEEL COMPRESSION LOAD CELL
STANDARD AND METRIC MODELS

Compression
0-25 lb to 0-1000 lb
0-100 to 0-5000 N

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

LC302/LCM302 Series

Small 19 mm (0.75") Dia.
Low 13 mm (0.5") Profile
Robotic and Test Bench Applications
Built-In Load Button for Easy Installation
5-Point Traceable Calibration Provided

The LC302/LCM302 Series load cells are only 19 mm (¾") in diameter and fit in the smallest places. Their high ±0.5% accuracy and small package solve many industrial force measurement applications. The all stainless steel construction and high-quality strain gage ensure long-term reliability.

SPECIFICATIONS
Excitation: 5 Vdc, 15 Vdc max
Output: 1 mV/V (nominal)
Accuracy: ±0.5% FSO linearity, hysteresis, repeatability combined
5-Point Calibration:
0%, 50%, 100%, 50%, 0%
Zero Balance: ±2% FSO
Operating Temp Range:
-54 to 107°C (-65 to 225°F)
Compensated Temp Range:
16 to 71°C (60 to 160°F)
Compensation Temp:
Zero: 0.009% FSO/°C
Span: 0.036% FSO/°C
Safe Overload: 150% of capacity
Protection Class: IP54

Deflection: 0.03 to 0.08 mm (0.001 to 0.003")
Ultimate Overload: 300% of capacity
Bridge Resistance: 350 Ω minimum
Construction: Stainless steel
Electrical Connection: 1.5 m (5') 4-conductor insulated cable with temperature compensation board

STANDARD MODELS

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<tr>
<th>CAPACITY</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS</th>
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METRIC MODEL

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<td>5000</td>
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</tbody>
</table>

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

* Visit us online for compatible meters.
Ordering Examples: LC302-25, 25 lb capacity load cell.
LC302-100, 100 lb capacity load cell.
LCM302-100N, 100 Newton capacity load cell.
LCM302-2KN, 2000 N capacity load cell.