HYDROSTATICALLY COMPENSATED LOAD CELLS
FOR UNDERWATER APPLICATIONS

Compression
0-100 lb to 0-2500 lb
0-45 kg to 0-1134 kg

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

The LCUC Series hydrostatically compensated compression load cells are designed for operation underwater. Applications include dry docks, marine weighing, submerged platforms, and industrial weighing where pit flooding occurs. The all stainless steel construction and rugged design give the LCUC high accuracy and high reliability in the difficult submerged environment.

SPECIFICATIONS
Output: 3 mV/V ±0.25 % FSO
Excitation: 10 Vdc (15V maximum)
Accuracy: ±0.25% FSO combined linearity, hysteresis and repeatability
Hydrostatic Effect on Zero: ±0.5% FSO per 500 psi
Zero Balance: ±1.0% FSO
Operating Temp Range: 2 to 107°C (35 to 225°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)

To Order

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb</td>
<td>kg</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>45</td>
<td>LCUC-100</td>
</tr>
<tr>
<td>250</td>
<td>114</td>
<td>LCUC-250</td>
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<tr>
<td>500</td>
<td>227</td>
<td>LCUC-500</td>
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<tr>
<td>1000</td>
<td>455</td>
<td>LCUC-1K</td>
</tr>
<tr>
<td>2500</td>
<td>1134</td>
<td>LCUC-2.5K</td>
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</tbody>
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Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.
Ordering Examples: LCUC-100, 100 lb capacity hydrostatically compensated compression load cell, 0.9 m (3') cable.

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