LOW RANGE S-BEAM LOAD CELLS
WITH 500% OVERLOAD PROTECTION

25 to 750 lb Capacities
11 to 340 kg Capacities

LCCE Series

✔ Protected to 500% Full Scale Overload
✔ High Accuracy
✔ 5-Point Calibration Included
✔ 0.25% Interchangeability for Multiple Load Cell Applications
✔ Rugged Stainless Steel Construction on All Ranges

The LCCE S-Beam load cells are designed with mechanical overload protection to 500% of FS in both tension and compression. This unique design gives you an extra level of protection and functionality that is typically an extra cost option on most load cells. When overloaded, the load cell is protected by a unique locking design. When the overload is removed, the load cell unlocks and returns to normal function. The stainless steel sensing element makes this load cell one of the most durable models available.

SPECIFICATIONS
Excitation: 10 Vdc, 15V maximum
Output: 3 mV/V ± 0.25% full scale
Calibration: 5 point NIST traceable in tension 0%, 50%, 100%, 50%, 0%
Linearity: ± 0.03% full scale
Hysteresis: ± 0.02% full scale
Repeatability: ± 0.01% full scale
Zero Balance: ± 1% full scale
Creep in 20 minutes: ± 0.03% full scale
Operating Temperature: -18 to 65°C (0 to 150°F)
Compensated Temperature: -18 to 65°C (0 to 150°F)

Thermal Effects:
Zero: ± 0.0027% FS/°C
Span: ± 0.0014% rdg/°C

Safe Overload: 500% capacity tension and compression
Ultimate Overload: 500% capacity
Bridge Resistance: 350 Ω nominal
Protection Level: IP67
Material: 17-4 PH SS element, aluminum side cover
Electrical Connection: 6 m (20')

To Order

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS</th>
<th>LOAD BUTTON MODEL NO.</th>
<th>ROD END MODEL NO.</th>
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<tbody>
<tr>
<td>25</td>
<td>LCCE-25</td>
<td>DP41-S, DP25B-S, DPi8-S</td>
<td>LBC-014</td>
<td>REC-014M</td>
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<td>LBC-012</td>
<td>REC-012M</td>
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</table>

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

Ordering Examples: LCCE-25, 25 lb range high overload S-Beam load cell.
LCCE-500, 500 lb range high overload S-Beam load cell.