Load Washers for Measuring Bolt Compressional Forces

LCMWD Series
Compression
0-1000 N to 0-200 kN

- Ranges to 200 kN
- Compact Design
- Spherical Washers Included
- Load Buttons Included
- Use of Spherical Washers Recommended When Used with Bolts
- Use of Load Button Recommended When Used as Compression Load Cell

Starts at £252

SPECIFICATIONS
Excitation: 10 Vdc (15 V max)
Output: 2 mV/V ± 20%
Accuracy (Linearity, Hysteresis and Repeatability Combined):
≤50 kN: ±0.5% BFSL
>50 kN: ±0.75% BFSL
Zero Balance: ±0.0% FSO
Operating Temp Range:
-40 to 127°C
Compensated Temp Range:
16 to 71°C
Thermal Effects:
Zero: ±0.018% FSO/°C
Span: ±0.018% FSO/°C
Safe Overload: 120% of capacity
Ultimate Overload: 200% of capacity
Bridge Resistance: 350 Ω min
<200 kN; 700 Ω = 200 kN
Full Scale Deflection: 0.025 mm typical
Construction: Stainless steel
Electrical: 1.5 m insulated shielded cable

Caution
This unit is not field serviceable. Modifying and/or tampering will forfeit the warranty and may be dangerous. Use appropriate protective equipment and/or garments when testing or installing, including safety glasses.

Dimensions: mm

<table>
<thead>
<tr>
<th>CAPACITY (N)</th>
<th>ID</th>
<th>OD</th>
<th>H</th>
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<tbody>
<tr>
<td>≤50,000</td>
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<td>9.0</td>
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To Order (Specify Model Number)

<table>
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<tr>
<th>CAPACITY</th>
<th>MODEL</th>
<th>NO.</th>
<th>PRICE</th>
<th>METERS*</th>
<th>COMPATIBLE MODEL</th>
<th>SPHERICAL WASHERS**</th>
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<tbody>
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Comes with 5-point traceable calibration.

* See page 80 for compatible meters. * 4-digit meter.
** One set of spherical washers and one set of load buttons supplied with each load cell.

Ordering Examples: LCMWD-10KN, 10 kN capacity load washer supplied with 2 load buttons and a set of spherical washers, £252. LCMWD-200KN, 200 kN capacity load washer supplied with 2 load buttons and a set of spherical washers, £359.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

- **Heaters**