Compressive Load Cell
Compressive load monitoring indoors, outdoors or subsea.

Perfectly at home in the laboratory or hostile marine environment, the compact and robust stainless steel design can be used for weighing, force measurement and calibration.

Standard capacities from 2Te to 1000Te, accuracy better than 1% and each unit is proof loaded (LOLER compliant) and certified.

**Load Cell Data Logging**

LMS-LOG100 Advanced data logging software provides real time monitoring of up to 100 load cell devices simultaneously.

Remotely access your data quickly and easily from a computer, tablet & smart phone via web browser. Export data in standard JSON or CSV formats with customisable reporting to suit your needs.

**Why Choose LMS products?**

LMS products have a proven track record in some of industries toughest and most demanding applications. With over 25 years’ load monitoring experience you can be confident that you’re buying a quality product from a leading UK specialist.

**Features**

- Cells designed to your application
- Safety factor of 5:1
- Operating temperature -20°C to +80°C as standard
- Enclosure IP67 rated
- Output options include mV, mA, V, RS232 with others on request
- Single, dual and redundant bridge designs
- Extra support base flanges available on request
- Plug-in connector versions available
- Integral signal conditioning available
- Subsea variants available on request

**Options**

- Wireless & Internal Antenna
- Matched Telemetry Displays
- Cabled with 49.2ft flying cable
- Data Logging Software Available
- ATEX version

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Rent this item

**Load Monitoring Systems Ltd**

14 Silverburn Place,
Bridge of Don,
Aberdeen
AB23 8EG

sales@loadsystems.co.uk
+44 (0) 1224 446100

www.loadsystems.co.uk
Monitoring & Measurement
• Cable tension
• Towing
• Mooring
• Crane safe
• Anchor line tension
• Static wire tension
• Winch load
• Elevator cable
• Speed
• Payout distance
• Jacking force
• Pile force
• Sheave/pulley system line tension
• Container weighing
• Centre of gravity weighing
• Overload protection

Calibration & Testing
• Water weights & bags
• Beam proof load
• Crane/hoist loads
• Bollard pull for vessels
• Force calibration
• Hydraulic presses
• Laboratory weighing & calibration

Typical Load Cell Sizes

<table>
<thead>
<tr>
<th>Capacity (Tonne)</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter (mm)</td>
<td>øA</td>
<td>75</td>
<td>120</td>
<td>125</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>B</td>
<td>110</td>
<td>142</td>
<td>180</td>
<td>180</td>
<td>300</td>
</tr>
<tr>
<td>Loading Diameter (mm)</td>
<td>øC</td>
<td>60</td>
<td>90</td>
<td>110</td>
<td>130</td>
<td>170</td>
</tr>
<tr>
<td>Spherical Cap Diameter (mm)</td>
<td>øF</td>
<td>65</td>
<td>93</td>
<td>125</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>Spherical Cap Height (mm)</td>
<td>G</td>
<td>10</td>
<td>18</td>
<td>30</td>
<td>30</td>
<td>50</td>
</tr>
</tbody>
</table>

These sizes are a guide, larger or smaller sizes are available. We can design and manufacture a load cell to suit your exact application so that you achieve the maximum performance.

New Center of Gravity Feature
The Centre of Gravity (COG) function found within T24LOG100 gives you the tools to quickly calculate and visualise centre of gravity from up to eight sources of weight data. Choose your weight data, specify the X and Y co-ordinates and let LOG100 do the work to calculate and display the position of COG.

Applications

Calibration & Testing
• Water weights & bags
• Beam proof load
• Crane/hoist loads
• Bollard pull for vessels
• Force calibration
• Hydraulic presses
• Laboratory weighing & calibration

Industry Applications
• Wind turbine installations
• Warehouse despatch
• Subsea vehicle lifting
• Subsea cable laying, recovery & repair
• Subsea ploughs
• Anchor systems
• Mooring systems
• Under hook crane weighing
• Pipe laying ships
• Structural joints
• Hydraulic presses
• Lifting systems
• Aerospace development

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