



Load Monitoring Systems

[www.loadsystems.co.uk](http://www.loadsystems.co.uk)

# Compressive Load Cell

Compressive load monitoring indoors, outdoors or subsea.



## Options

Wireless & Internal Antenna

Rent this item

Cabled with 5m glanded axial or radial exit

ATEX zones 0, 1 and 2

Matched Telemetry Display

Data Logging Software Available

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?

With over 18 years' experience in specialist load monitoring, LMS has a proven track record developing a range of products and services tailored around customers needs.

LMS continues to build the business and extend its offering with an increased hire capability as well as providing a new 'FAST-TRACK' repair and calibration service specifically created to support customers who need a rapid turn-around when conditions are critical.

For sales, hire, repair and calibration contact us today

[www.loadsystems.co.uk](http://www.loadsystems.co.uk)  
[sales@loadsystems.co.uk](mailto:sales@loadsystems.co.uk)  
Call: +44 (0) 1224 446100

## Features

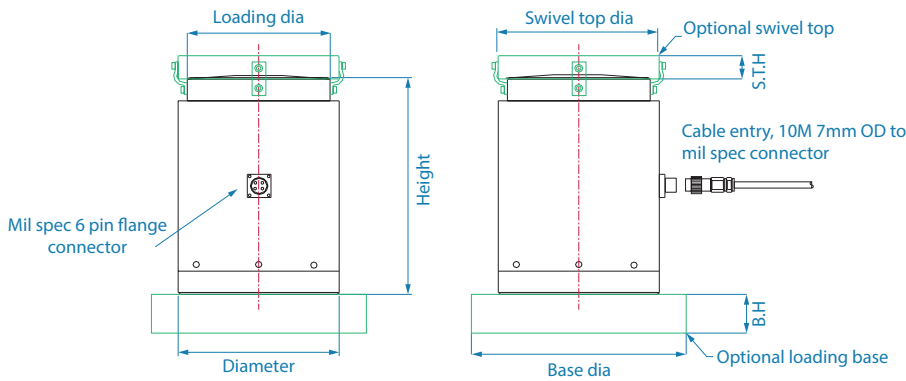
- Cells designed to your application
- Safety factor of 5:1
- Operating temperature -20°C to +80°C as standard
- Enclosure IP67 rated
- Output options include mV, mA, V, RS232 with others on request
- Single, dual and redundant bridge designs
- Extra support base flanges available on request
- Plug-in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



Supplied with domed top and spherical loading cap



Cabled versions with 10m glanded exit flying cable as standard. Other lengths available on request.



## Typical Load Cell Sizes

Capacity (Tonne)		50	100	200	300	500	1000
Diameter (mm)	øA	75	120	125	150	200	290
Height (mm)	B	110	142	180	180	300	425
Loading Diameter (mm)	øC	60	90	110	130	170	250
Spherical Cap Diameter (mm)	øF	65	93	125	150	200	290
Spherical Cap Height (mm)	G	10	18	30	30	50	50

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

### 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