



# Compressive Load Cell

Compressive load monitoring indoors, outdoors or subsea.



## Options

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

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 2Ton to 1000Ton, 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 customizable reporting to suit your needs.

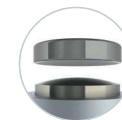


## Why Choose LMS products?

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 specialist.

## Features

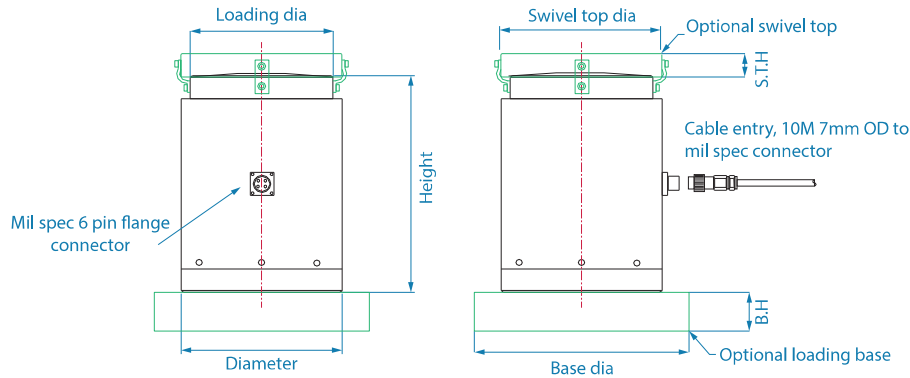
- Cells designed to your application
- Safety factor of 5:1
- Operating temperature -68°F to +176°F as standard
- Enclosure IP67 rated
- Output options include mV, mA, V, RS232 with others on request
- Single, dual and redundant bridge designs
- Extra support base flanges available on request
- Plug-in connector versions available
- Integral signal conditioning available
- Subsea variants available on request



Supplied with domed top and spherical loading cap



Cabled versions with 39ft glanded exit flying cable as standard. Other lengths available on request.



## Typical Load Cell Sizes

Capacity	Ton (MT)		50	100	200	300	500	1000
	Pounds (LBS)		110231	220462	440925	661387	1102311	2204623
Diameter (Inch)		øA	2,95	4,72	4,92	5,90	7,87	11,41
Height (Inch)		B	4,33	5,59	7,08	7,08	11,8	16,7
Loading Diameter (Inch)		øC	2,36	3,45	4,33	5,11	6,69	9,84
Spherical Cap Diameter (Inch)		øF	2,55	3,66	4,92	5,90	7,87	11,4
Spherical Cap Height (Inch)		G	0,39	0,70	1,18	1,18	1,96	1,96

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 Center of Gravity (COG) function found within T24LOG100 gives you the tools to quickly calculate and visualize Center 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 dispatch
- 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
- Center of gravity weighing
- Overload protection