

Description

The LCM SILL series have been designed for lifting and weighing in rugged or harsh environments, being manufactured from high tensile aluminium to minimise weight (has steel bushes to provide added wear protection from shackles etc).

The SILL series are simple to install and are matched to standard shackle sizes. They have a built-in display which can be selected by the user to display the applied weight or force in t, kg, lb or kN. There is an in-built audible alarm, which can be set by the operator, to warn when an applied weight/force level is met.

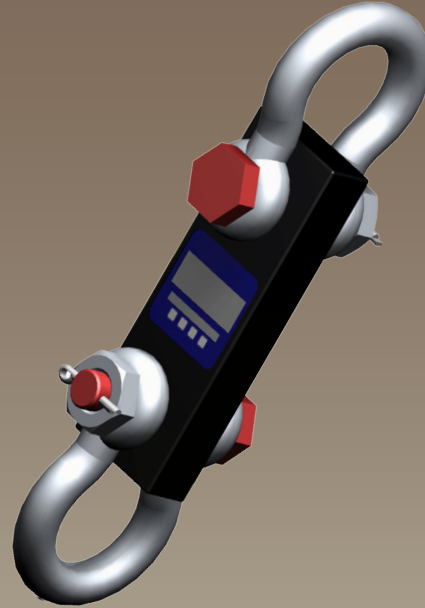
For applications where the operator is unable to read the display, there is a handheld remote available. This remote replicates exactly all the functionality that is available on the link itself.

Other features that are available include Peak Hold, Gross/Net, Pre-set Tare entry. There is also a RS485 digital output available. LCM Systems can offer a software design facility to design bespoke software to meet any specific application requirements that may be required.

Typical Applications

- Under hook crane weighing
- Crane load testing
- Beam proof testing
- Water bag calibration
- Cable tension measurement

SILL Self Indicating Link Load Cell



Features

- Ranges 2.5 tonne to 200 tonne
- Lightweight Aluminium Construction
- Shackle holes are steel bushed
- Environmentally Sealed to IP66
- Audible alarm facility as standard
- Can display as standard in t, kg, lb & kN Selectable by operator
- Remote handheld facility available
- Peak Hold facility
- Can be supplied with various bespoke software packages

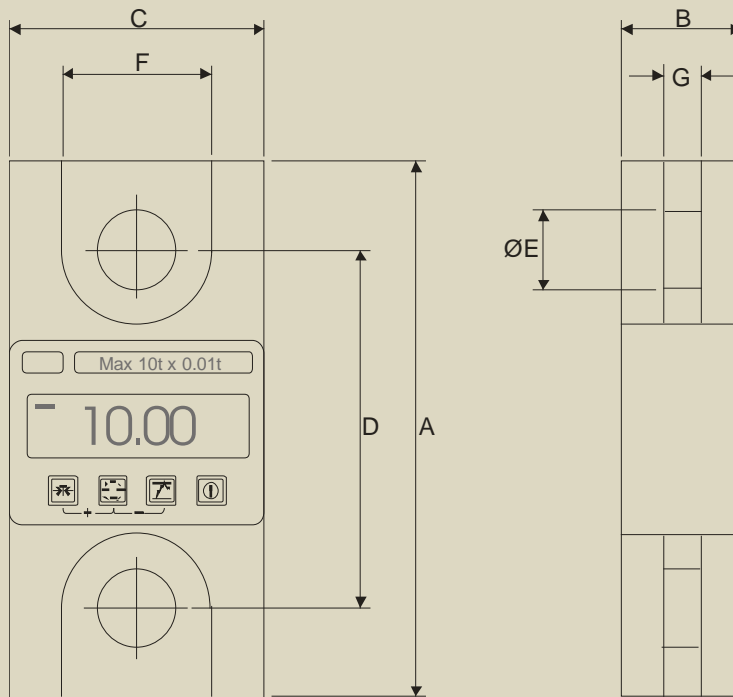
Self Indicating Link Load Cell

Specification

Rated Load (tonne):	2.5, 5, 10, 12, 20, 25, 50, 100, 200
Proof Load:	200% of rated load
Safety Factor:	500% of rated load (except 100t, 400% & 200t - 350%)
Display	6 digit LCD, 25mm high digits, with unit indication
Non-Linearity:	< ±0.2% of Rated Load
Non-Repeatability:	< ±0.05% of Rated Load
Power Supply:	9 volt PP3 battery (life 50 hours minimum)
Operating Temperature Range:	-10 to +60°C
Compensated Temperature Range:	-10 to +60°C
Zero Temperature Coefficient:	< ±0.020% of Rated Load/°C
Span Temperature Coefficient:	< ±0.020% of Rated Load/°C
Environmental Protection Level:	IP66

Mechanical Dimensions

All dimensions in millimeters



Range	2.5t	5t	10t	12t	20t	25t	50t	100t	200t
A	204	249	305	305	340	340	400	608	690
B	43	43	47	47	60	60	75	99	150
C	101	101	101	101	110	110	151	255	305
D	146	165	193	193	215	215	230	320	350
ØE	24.5	38	47.5	47.5	55	55	66	108	125
F	47.5	66	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	19	32	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Resolution	1kg	1kg	10kg	10kg	10kg	10kg	20kg	100kg	100kg
Weight	1.5kg	2.2kg	3.5kg	3.5kg	5.2kg	5.2kg	10.9kg	37kg	80kg

Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

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TYPE: SILL