



Load Monitoring Systems

www.loadsystems.co.uk

Load Link

Accurate and reliable tensile load monitoring for lifting applications.



Suitable for all industry sectors including marine, offshore and subsea. Due to the robust, lightweight high tensile aluminium design these load links are ideal for mobile applications and available as either cabled or wireless with a range of options.

Retro-fit load monitoring to existing applications where shackles are already available and fits all major shackle manufacturers including Van Beest, Crosby and GN Rope.

Displays & Portable Case

Rugged case design with foam compartments to firmly hold the load link, telemetry display, spare set of batteries. Can also accommodate connecting cable for wired units and matched set of shackles.



- Lockable case
- Available for 6.5Te to 100Te load link sizes

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

Options



Wireless & Internal Antenna



Rent or Buy



Cabled



ATEX Version



Matched Telemetry Displays



Data Logging Software Available

Features

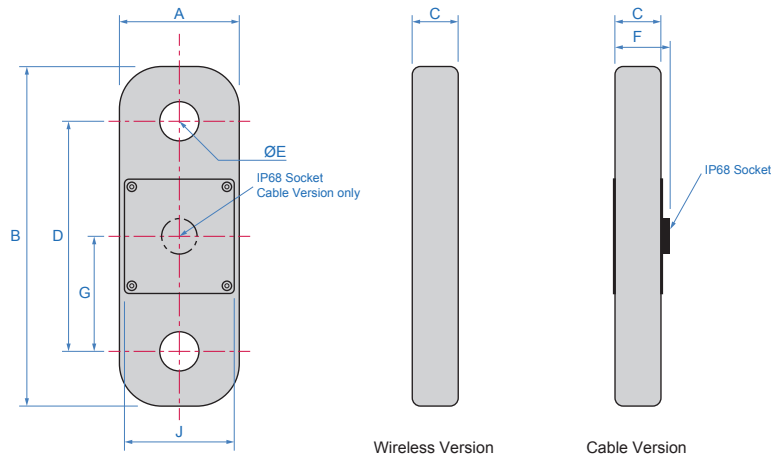
- Load link designs from 6.5Te to 500Te as standard other capabilities on request
- Designed to be rigged & operated with a Working Load Link (WLL) of the same capacity
- Safety factor of 5:1
- Accuracy <0.5% of applied load
- ATEX versions available for zones 0, 1, & 2
- Subsea variants available on request
- Every unit load tested and certified



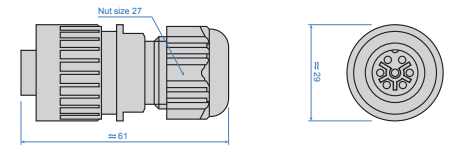
Cabled Version plug & socket connector on back of load link



Removable battery access panel on rear of wireless load link



Cable Version Plug Details



IP68 Plug Connector

- Pin 1 = Power +ve
- Pin 2 = Power -ve
- Pin 3 = Signal +ve
- Pin 4 = Signal -ve

Capacity (Tonne)	6.5	13.5	25	35	55	85	100	150	200	250	300	400	500
Dimensions (mm)													
A	84	143	143	157	183	198	220	272	331	395	432	490	540
B	238	292	382	436	470	518	590	695	769	879	977	1037	1137
C	32	45	62	70	85	104	124	136	150	177	182	198	198
D	162	182	236	256	286	310	350	395	419	469	517	547	607
ØE	27	40	55	61	75	86	100	118	135	145	158	180	190
F	50	63	80	88	93	122	142	168	173	195	200	200	243
G	81	91	119	128	143	155	175	197.5	209.5	234.5	258.5	273.5	303.5
Fits Shackle (Tonne)	6.5	13.5	25	35	55	85	120	150	200	250	300	400	500
Weight (kg)	1.5	6	8	12	15	23	37	63	93	135	186	228	322
Suggested Safety Bow Shackles													
Van Beest	G4163						P6036						
GN Rope	H9						H10						
Crosby	G2130 to G2140												

Specifications		
Overload Tested (Proof Load)		200% rated load (6.5te - 250te sizes) 150% rated load 300te and above
Minimum Breaking Load (MBL)	5Te to 400Te	500% rated load
	500Te	450% rated load
Dead Load Offset		+/- 0.1mV
Accuracy		< 0.5% of applied load
Repeatability		< +/- 0.1% of applied load
Hysteresis up to FS		Minimal
Operating temperature		-20°C to +70°C
Environmental Rating		IP67
Range		600m+
Transmit rate		900ms (standard)
Antenna (Wireless Version)		Internal
Radio (Wireless Version)		2.4 Ghz; worldwide licence free
Cabled Version Output Signals		Analogue signals 4-20mA in 2 or 3 wire output with 10-30VDC supply 0-5VDC or 0-10VDC 3-wire output with 10-30VDC supply Digital signals RS232 with a protocol of your choice with 5-20VDC supply RS485 with a protocol of your choice with 5-20VDC supply
Cable Version Connection Type		Load link with plug-in socket and 15m, 4-core screened PUR cable with matched plug-in connector fitted. Other types on request.
Battery Type / Lifespan	Load Cells	Batteries: 2 x AAA 1.5V for 6.5Te & 13.5Te Load Link @ 500+ hours (continuous) Batteries: 2 x AA 1.5V for 12.5Te-85Te Load Link @ 2000+ hours (continuous) Batteries: 2 x C 1.5V for 100Te-500Te Load Link @ 2000+ hours (continuous) Provides 1 year of use based on 8 hour per day. Reducing the requirement to change batteries between calibrations.
	Display	2 x AA 1.5V batteries @ 40 hours (continuous)
Calibration		12 months (calibration service available)
Material		Lightweight, high tensile grade aluminium
Finish		Hard anodised for marine environments
Traceability and Safety Compliance		BS EN ISO 7500-1:2004, Machinery directive 2006/42/EC (SI 2008/1597)
Shackle Compatibility (include):		
Van Beest		G-4163, P6036 safety bow
GN Rope		H9 & H10 safety Bow
Crosby		G2130, G2140
ATEX Options		
Zone 2		Standard options (wireless and cabled)
Zone 1		Standard options (wireless and cabled)
Zone 0		Stainless steel construction, cabled options - contact LMS for more details