



TYPE: AWLL



AWLL Aluminium Wireless Load Link

Description

The LCM AWLL load link series have been designed for lifting and weighing in harsh environments. Being manufactured from aluminium alloy to minimise weight also makes them ideal for mobile use, and steel brushed holes provide added wear protection from the industry standard shackles they have been designed for use with. They are ideal for proof testing structures, monitoring loads on hoists and rigging, line tension/bollard testing and weighing suspended loads on cranes.

The wireless antenna is internally mounted, protecting it from accidental damage during use and handling. The AWLL range also uses standard AAA alkaline batteries, which are readily available and low cost. They are Simple to install and have a high safety factor (5:1) to provide safe and accurate measurements during critical lifting operations.

The AWLL is supplied as standard without any additional wireless devices to enable greater flexibility with the configuration and ordering of the product. The AWLL can be used with any of the T24 range of wireless instrumentation, whether this be for a simple display system using the T24-HS-LS, or more complex systems using multiple load cells and multiple wireless devices.

For more sophisticated systems, including datalogging or monitoring/reporting requirements, we are able to offer a robust tablet PC with installed software for use with single or multiple load cell installations. Our sales team will be happy to discuss the best wireless system configuration to suit your requirements.

Specification

| | |
|--------------------------------|---|
| Rated load (tonnes) | 5, 12, 25, 50, 100, 200, 300 |
| Proof load | 200% of rated load |
| Safety factor | >500% of rated load |
| Accuracy | <±0.25% of reading |
| Power supply | 2 x AAA alkaline batteries |
| Battery life | >300 hours (continuous use, with 1.2Ah batteries) |
| Transmission range | >300 metres (clear line of sight) |
| Radio frequency | 2.4GHz |
| Update Rate | 3 times per second |
| Operating temperature range | -20 to +50°C |
| Compensated temperature range | -10 to +50°C |
| Zero temperature coefficient | <±0.01% of rated load/°C |
| Span temperature coefficient | <±0.01% of rated load/°C |
| Environmental protection level | IP65 |

Available Options

- Wireless overload alarm module
- Wireless base station with analogue output
- Wireless signal booster
- Multiple wireless load cell controller software
- Wireless slave display
- Crosby shackle supply

Features

- Ranges from 5 to 300 tonnes
- Lightweight aluminium construction
- High accuracy
- Supplied with carry case
- License Free 2.4GHz radio
- Internal antennae
- 300 hours battery life using standard AAA batteries
- Can be supplied with various bespoke telemetry and/or software packages

Typical Applications

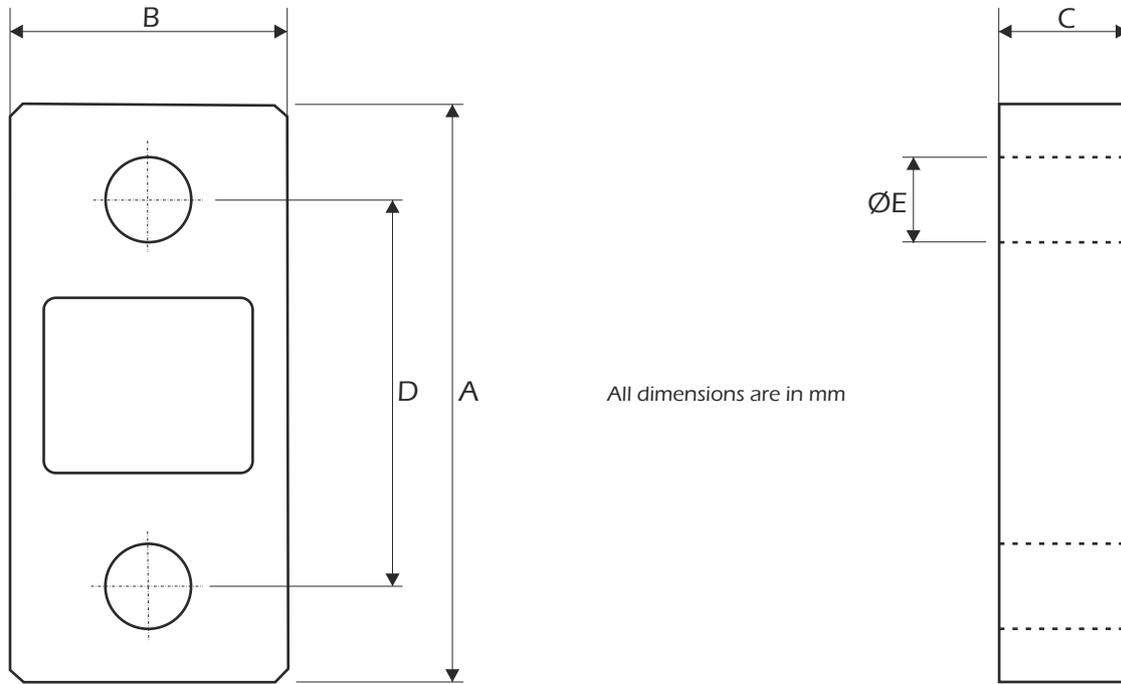
- Underhook crane weighing
- Cable tension monitoring
- Crane/hoist proof loading
- Water weights calibration
- Warehouse despatch weighing

AVAILABLE TO BUY ONLINE

Visit our website www.lcmsystems.com
(In-stock items usually ship within 48 hours)

AWLL Aluminium Wireless Load Link

Dimensions



| Rating (tonnes) | A | B | C | D | ØE | Resolution (tonne) | Weight (kg) |
|-----------------|-----|-----|-----|-----|-----|--------------------|-------------|
| 5 | 250 | 95 | 35 | 170 | 27 | 0.001 | 6 |
| 12 | 290 | 101 | 50 | 180 | 48 | 0.002 | 7 |
| 25 | 320 | 127 | 55 | 200 | 55 | 0.005 | 9 |
| 50 | 430 | 152 | 75 | 250 | 76 | 0.01 | 15 |
| 100 | 600 | 265 | 100 | 320 | 100 | 0.05 | 50 |
| 200 | 700 | 325 | 150 | 350 | 146 | 1.1 | 95 |
| 300 | 800 | 375 | 200 | 420 | 162 | 0.1 | 170 |

Compatible Load Shackles

| Rating (tonnes) | Crosby Load Shackles | Van Beest Load Shackles | GN Rope Load Shackles |
|-----------------|----------------------|-------------------------|-------------------------|
| 5 | 6.5te Crosby G-2130 | 6.5te Green Pin G4163 | 6.5te GN Rope H9 |
| 12 | 12te Crosby G-2130 | 12te Green Pin G4163 | 12te GN Rope H9 |
| 25 | 25te Crosby G-2130 | 25te Green Pin G4163 | 25te GN Rope H9 |
| 50 | 55te Crosby G-2130 | 55te Green Pin G4163 | 55te GN Rope H9 |
| 100 | 120te Crosby G-2130 | 120te Green Pin P6036 | 120te GN Rope H10 Super |
| 200 | 200te Crosby G-2140 | 200te Green Pin P6036 | 200te GN Rope H10 Super |
| 300 | 300te Crosby G-2140 | 300te Green Pin P6036 | 300te GN Rope H10 Super |

A summary of available wireless devices that can be used to enhance the AWLL in your application can be viewed on the next page of this datasheet.

For further assistance on system configuration, please call us or email your requirements to sales@lcm systems.com.

AWLL Aluminium Wireless Load Link



Wireless Receivers/Display Options



T24-HS-LS
Simple wireless display for connecting to 1 load cell



T24-HA
Wireless display for connection to up to 12 load cells



T24-HR
Wireless display for connecting to multiple load cells



X24-HD
ATEX Wireless display for connection to up to 24 load cells

Wireless Base Station Options



T24-BSu
Wireless USB connected base station



T24-Bsd
Wireless compact USB connected base station



T24-BSue
Wireless USB extended range base station



T24-BSi
Wireless USB, RS485, RS232 connected base station

Wireless Output Module Options



T24-RM1
Wireless relay switch output module



T24-SO
Wireless serial ASCII output module



T24-AO1
Wireless analogue output module



T24-PR1
Wireless surface mounting tally roll printer



T24-AR
Wireless range extender repeater module

Wireless Software Options



LCM Systems are able to offer various software solutions for our wireless range of load cells. We encourage you to speak to our sales team to discuss any standalone software requirements you may have.

The solutions we regularly offer include centre of gravity weighing and reporting, multiple load cell display & reporting and PC based datalogging. Other solutions can also be offered.

For more detailed information regarding wireless instrumentation visit www.lcmsystems.com/T24

www.lcmsystems.com

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

Issue No. 1

Issue date: 08/11/2021

APPROVED

(unapproved if printed)