# LE5-LR Crane/Hoist logging displays - load cell input

### Display type examples



5 digit 45mm digits red LED



4 digit 57mm digits red LED



4 digit high contrast 58mm digits green LED



4 digit 100mm digits red LED



4 digit 200mm digits green LED

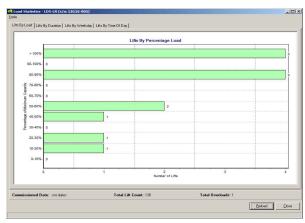


Example from web page



### Main features

- DWP calculations based on AS 2550.1-2011
- Logged records include DWP, overloads, overload duration, maximum load, average load, lifts, lift duration average weight, maximum weight, minimum weight per lift etc.
- Offers load display and logging in one instrument.
- Windows software included for monitoring, configuration and downloading logs etc.
- Ethernet comms. and data logger memory standard
- 20 to 200mm digit height display sizes
- Single 4 or 6 wire mV/V wire input
- Digital inputs for Run/Direction or Lift/Return
- Digital inputs for Up, Down, North, South, West and East travel
- Optional RS232, RS485 and USB comms.
- IP65 rated wall mount enclosure
- Powder coated steel or stainless steel cases available for 100 and 200mm displays
- 4 relays fitted as standard rated at 240VAC, 5A into a resistive load. Relay 1 is dedicated for DWP operation
- 3 configurable remote inputs as standard
- Remote inputs can be configured to one of a wide range of functions including zero, peak hold, etc.
- The auto-brightness feature for LED displays varies the display brightness to suit the ambient light
- Standard brightness and high contrast display versions
- See "Order Codes" sections for full listing of available models



**Example from Windows Software** 

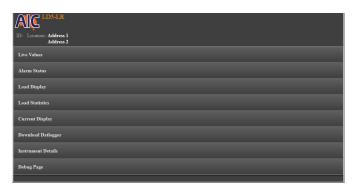
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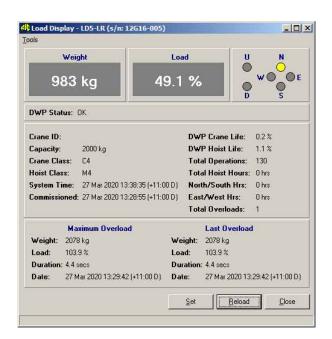
Unit 5, 28 Leighton Place Hornsby NSW 2077 Australia Telephone: +61 2 9476 2244 Facsimile: +61 2 9476 2902 ABN: 80 619 963 692

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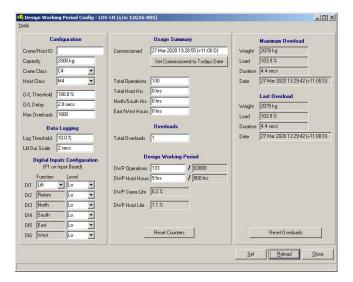
### Windows and Web Page examples



Web Page Example - Main Menu



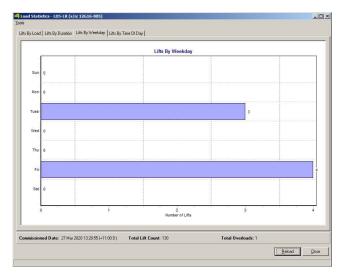
Load Display Window from Windows software



DWP Window from Windows software

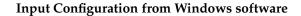


Web Page Example - Download Logs



#### Lifts by Weekday from Windows software

ADC Config		Cha	Channel 1	
Sample Rate Gain Input Type Excitation Default Display <b>Custom D</b> User Units 1 User Units 2	2.5 mV/V ¥ 6 Wire ¥ 5 V ¥	Channel Name Display Name Units Decimal Pt Disp. Round Filter Disp Hi Limit Disp Lo Limit Disp Action E Cal E Scale Zero Range Display	CH 1 kg 0 1 kg 3 0 ff 0 ff NONE 1.417 mV/V 1220 kg 50 kg 0 n	
		Set Zero	Set Zero Point	



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### Specifications

Input types:	4 or 6 wire mV/V output load cell	
Communications:	Ethernet	
Data logs:	Up to 266,444 log records	
Sample rate:	10 samples per second	
Accuracy:	Better than $0.005\%$ (2.5 to $10 \text{mV/V}$ ) when calibrated	
Resolution (bits):	16.6 @ 40mV/V, 15.8 @ 20mV/V, 16.5 @ 10mV/V, 16.1 @ 5mV/V,	
resolution (one).	15.6 @ 2.5mV/V, 15.7 @ 1.2mV/V, 15.1 @ 0.6mV/V, 14.1 @ 0.3mV/V	
Thermal stability:	25ppm per °C	
Ambient temperature:	LED -10 to $60^{\circ}$ C	
Humidity:	5 to 95% non condensing	
5	Supply type is factory configured	
Output (standard):	4 x relays, 1 x Form C (dedicated to DWP use), 3 x Form A rated 5A resistive.	
1	Programmable N.O. or N.C.	
Weight:	20 to 58mm displays 1.3 kg	
0	100mm 4 digit displays 10.5kg, 100mm 6 digit displays 13.5kg	
	200mm displays 13kg	
Dimensions:	20 to 58mm displays front 253 (w) x 145 (h) x 121 (d)	
	100mm 4 digit displays 450 (w) x 250 (h) x 155 (d) mm	
	100mm 6 digit displays 650 (w) x 250 (h) x 155 (d) mm	
	200mm 4 digit displays 850 (w) x 360 (h) x 155 (d) mm	

Power supplies and optional outputs: See "Order Codes"

**Order codes for 20 to 58mmm displays**. The last sections is for optional items (if required). Optional outputs are factory configured.

LE5 - LR	
	Power supply 240VAC/110VAC
ACH	24 to 48VAC
	12-48VDC isolated
	24V non isolated
	Display type
20R6	
	38mm 6 digit red LED - with front pushbuttons and alarm annunciators
	38mm 6 digit red LED - with front pushbuttons and alarm annunciators, high contrast daylight viewable 38mm 6 digit green LED - with front pushbuttons and alarm annunciators, high contrast daylight viewable
	38mm 6 digit amber LED - with front pushbuttons and alarm annunciators, high contrast daylight viewable
	38mm 6 digit white LED - with front pushbuttons and alarm annunciators, high contrast daylight viewable
	45mm 5 digit red LED - with front pushbuttons and alarm annunciators
57R4	57mm 4 digit red LED
	58mm 4 digit red LED - high contrast daylight viewable
	58mm 4 digit green LED - high contrast daylight viewable
	58mm 4 digit amber LED - high contrast daylight viewable
58W4	58mm 4 digit white LED - high contrast daylight viewable
	Optional outputs
5	RS232/RS485 serial communications - isolated
Ŭ	USB communications port - isolated
SU	RS232/RS485 plus USB port - isolated
	RS232/RS485 serial communications plus 4 extra relays
URRRR	USB port plus 4 extra relays
SURRRR -	RS232/RS485 plus USB port plus 4 extra relays
	4-20mA analog retransmission 12 bit - isolated
	4-20mA, 0-1VDC or 0-10VDC analog retransmission 16 bit - isolated
	4-20mA analog retransmission 12 bit - isolated plus 4 extra relays
	4-20mA, 0-1V or 0-10VDC output 16 bit - isolated plus 4 extra relays
	Dual 4-20mA output 12 bit - isolated
ÄA	Dual 4-20mA output plus RS485 serial communications - isolated
	including USB an external IP65 type B connector can be fitted to the left hand side of the case
	m display types only). Add "-EX" to the order code for this option
	" for USB with external connector.
Ű	

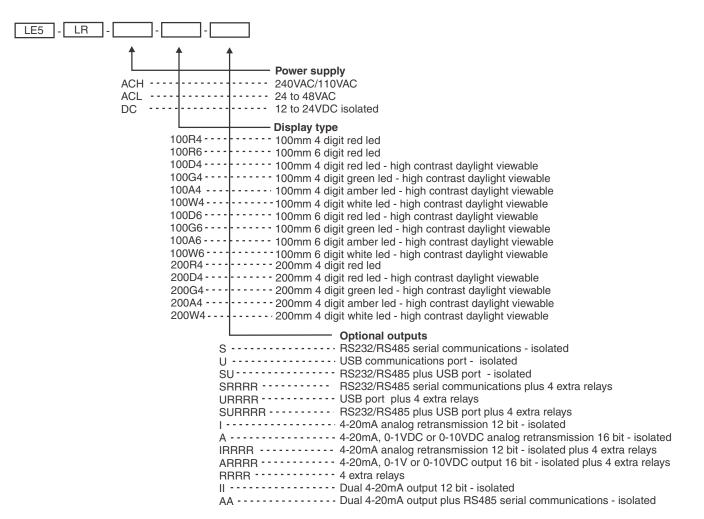
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#### Order codes for 100mm and 200mm displays

The last sections is for optional items (if required). Optional outputs are factory configured.

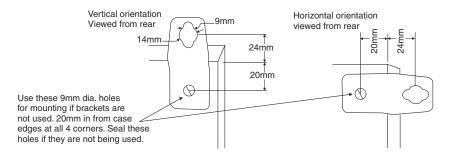


#### Mounting brackets and panel mounting kit

20 to 58mm models are supplied with 4 mounting tabs for surface mounting with mounting centres 180mm (w) x 155mm (h). An optional panel mounting kit (part no. LD-MTG-PM-KIT) is available for 20 to 58mm models with panel cut out being 240mm (w) x 130mm (h) +0mm/-0.5mm.

100mm and 200mm models are shipped with 4 metal brackets and mounting hardware.

The diagrams below illustrate vertical and horizontal installation of these 100mm and 200mm model brackets. If mounting without the brackets, then the 9mm diameter case holes provided for the brackets can be used as alternative mounting holes. If the brackets are not used in mounting, then these holes should be sealed against dust and water.



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