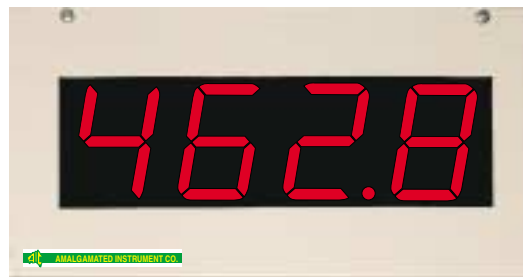# LARGE DIGIT DISPLAYS

A Quick Reference to the
range of large digit displays
designed & manufactured by
Amalgamated Instrument Co

LARGE DIGIT DISPLAYS - Inputs and Applications *
"LD" Series

UNIVERSAL
Analog mA, DCV, 3-wire slidewire, thermocouple or RTD
LD-TM Universal Large Digit Display
LD-TM-...-AA as above plus has isolated dual analog retransmission

Analog mA, DCV
LD-IV ±20mA, 4 to 20mA, ±2.5VDC or ±25VDC
LD-IV-...-AA as above plus has isolated dual analog retransmission

Rate, Total, Count, Frequency - pulse input
LD-TR Pulse input ratemeter/totaliser/counter

Weight, Pressure, Level - Strain Bridge input
LD-WT 4 or 6-wire strain bridge transducer input
LD-WT-...-AA as above plus has isolated dual analog retransmission

Serial Input
LD-232, 485, CL RS232, RS485 or Serial Current Loop input
LS-SS Synchronous Serial Interface (SSI) input

BCD, Binary, Gray Code
LD-BC BCD, Binary or Gray Code input

Timers and Real Time Clocks
LD-RTC Real Time Clock
LD-TMR Timer with elapsed time & stopwatch functions

Slave Display
LD-SL mounted with another LD model to give a 2-sided display

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A remote programmer/configurator is available for the newer
LD series displays. Model: LD-RC10

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* Please visit the AIC website - http://www.aicpl.com.au - for
  comprehensive datasheets for the individual products.

Display Type	MODEL									
	LD-TM	LD-IV	LD-TR	LD-WT	LD-BC	LD-RTC	LD-TMR	LD-Serial	LD-SS	LD-SL
38mm LED	yes	yes	yes	yes		yes	yes	yes	yes	
45mm LED	yes	yes	yes	yes		yes	yes	yes	yes	
57mm LED	yes	yes	yes	yes	yes	yes	yes	yes	yes	
100mm LED	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
200mm LED	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
39mm "flip"			yes			yes	yes	yes		
100mm "flip"	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Digit size	Viewing Distance	Indoor Use	Outdoor Use
38mm LED	18 metres	Yes	Yes - if shaded from direct light
45mm LED	20 metres	Yes	Yes - if shaded from direct light
57mm LED	25metres	Yes	Yes - if shaded from direct light
100mm LED	50 metres	Yes	Yes - if shaded from direct light
200mm LED	100 metres	Yes	Yes - if shaded from direct light
39mm "flip"	18 metres	In well lit conditions	Yes
100mm "flip"	50 metres	In well lit conditions	Yes

LARGE DIGIT DISPLAYS - Physical Characteristics

Red LED displays:
6 digits 38mm high
5 digits 45mm high
4 digits 57mm high

Yellow "flip" digits:
4 digits 39mm high
6 digits 39mm high

Dimensions:
Width: 253mm
Height: 145mm
Depth: 121mm total*

Weight: approx 1.6kg
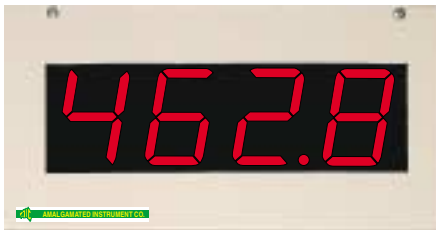
Wall mounting centres:
180mm x 155mm

*Total depth includes front shroud.
Depth with shroud removed (optional): 85mm

An optional panel mount kit is available for these models
Panel cutout: 240mm x 130mm

Red LED displays 100mm high

	4 digits	6 digits
Width:	450mm	650mm
Height:	250mm	250mm
Depth:	155mm	155mm
Weight:	approx 10kg	approx. 13kg

Yellow "flip" digits 100mm high

	4 digits	5 digits	6 digits
Width:	450mm	520mm	650mm
Height:	250mm	250mm	250mm
Depth:	155mm	155mm	155mm
Weight: app	10kg	11.5kg	13kg

Red LED display 200mm high

	4 digits
Width:	850mm
Height:	360mm
Depth:	155mm
Weight: app	18.5kg

The economical and popular LD4 range is still available
57mm 4 digit displays in IP65 wallmount enclosures

Analog Input
LD4-IV-...-574 ±20mA, 4-20mA ±100mV, ±1V, ±10V, ±100V
LD4-IVT-...-574 Analog mA & DCV (as above) with Totaliser functions

Temperature
LD4-TC-...-574 Input from common thermocouples
LD4-RT-...-574 Input from Pt100 or Pt1000 RTD

Weighing/Pressure/Level
LD4-SG-...-574 4-wire strain bridge/load cell etc

Timing, Real Time Clock
LD4-TMR-...-574 Timer with elapsed time & stopwatch functions
LD4-RTC-...-574   Real Time Clock

Total/Rate/Counter/Tachometer
LD4-TR-...-574 Pulse input from contacts, proximity, NPN, PNP etc

Serial Input
LD4-RS232-...-574   RS232 input
LD4-RS485-...-574   RS485 input
LD4-C/LOOP-...-574   Serial Current Loop

AC Voltage & AC Current
LD4-AV-...-574   AC Voltage 0-250VAC (True RMS)
LD4-AI-...-574   AC Current 0-5Amp AC (True RMS)

Amalgamated Instrument Co Pty Ltd is a specialist designer and manufacturer
of process measurement instrumentation and sensors.

AIC is a wholly owned Australian company founded in 1978. The company is dedicated to
designing and manufacturing products to meet the growing sophisticated process control area.

AIC has special expertise in instrumentation for weighing, pressure and batching
and the large digit range is especially suited for these applications.

Amalgamated Instrument Co is a Quality Endorsed Company to AS/NZS 9001 (Licence Number QEC6187).

AIC products carry the "C-tick" mark where appropriate to signify compliance with Australian EMC emission standards

AIC is also proud to be associated with the AUSBUY programme as a
company 100% Australian Owned and offering products wholly made in Australia.

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