

# Large Digit Display – 100mm digit height

## LD5-TR and LE5-TR ratemeter/totaliser

The LD5-TR and LE5-TR with 100mm displays are ideal for applications where rate and total indications need to be visible at a distance. The instrument can be used in rate, total or rate plus total modes with comprehensive alarm functions. LE5 model versions include Ethernet communications, datalogger memory and web page. High contrast versions, viewable even in bright sunlight are available in red, green, amber or white.

### Display examples



4 digit 100mm Red LED



4 digit 100mm Green High Contrast (S/S Case)



6 digit 100mm Green High Contrast with colons



6 digit 100mm Red LED

### Features

- Visible from 50 metres
- Standard brightness red LED
- High contrast daylight viewable versions now available in 4 or 6 digit red, green, amber or white LED
- Rate and/or total display from pulse input
- Totaliser can count up or down
- Up to 100kHz input frequency
- "Timeout" function for very low frequency input
- Compatible with a wide range of input sensor types with a pulse output
- IP65 rated wall mount enclosure, powder coated steel standard, stainless steel optional
- 4 configurable setpoint relays standard rated at 240VAC, 5A into a resistive load
- Remote reset or preset
- Pushbutton setup and scaling
- Remote inputs can be configured to one of a wide range of functions including zero, display hold, peak hold, etc.
- Programmable digital filter for rate display
- Ethernet with 8MB data logger memory and web page on LE5 models
- Isolated RS232/RS485 serial communications optionally available. Both RS232 and RS485 are fitted but only one at a time can be used
- The auto-brightness feature for LED displays varies the display brightness to suit the ambient light
- 2 year guarantee
- See separate brochures for 38, 45, 57, 58mm and 200mm display models



LD5TR100-1.1-0

**AMALGAMATED INSTRUMENT CO**

ABN: 80 619 963 692

Unit 5, 28 Leighton Place Hornsby  
NSW 2077 Australia

Telephone: +61 2 9476 2244  
Facsimile: +61 2 9476 2902

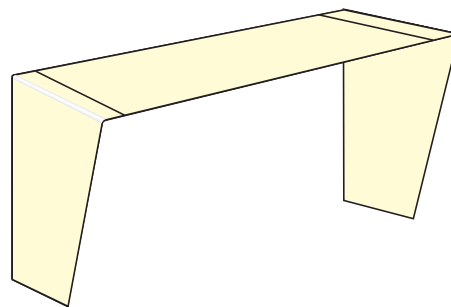
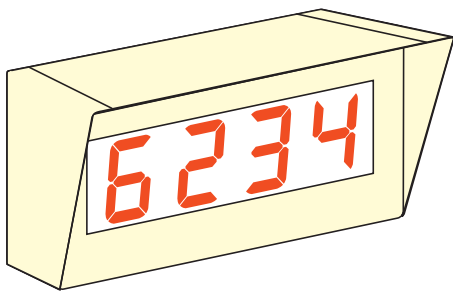
e-mail: [sales@aicpl.com.au](mailto:sales@aicpl.com.au)  
Internet: [www.aicpl.com.au](http://www.aicpl.com.au)

## Specifications

Input:	Selectable types inc: NPN, PNP, switch contact, magnetic pickup, output from TTL, CMOS, square wave, Namur
Reset/preset input	Voltage free switch contact or up to 24VDC signal
Memory	Totaliser memory ferro ram stored, retention typically 45 years with no power Data logger memory stored in flash memory, retention typically 100 years with no power (LE5 model only)
Display update:	4 per second
Input Impedance	1M $\Omega$ standard or 12k $\Omega$ in attenuated input mode
Input frequency:	100kHz max. in high frequency mode
Sensor supply	5 VDC or 12 or 24VDC, pushbutton selectable ( <b>50mA max.</b> )
Ambient temp	-10°C to 60°C
Humidity	5% to 95%
Display types:	100mm 4 or 6 digit red LED 100mm 4 or 6 digit red, green, amber or white high contrast LED See separate brochures for other display sizes
Power supply:	See order code table (type is factory configured)
Power usage:	DC supply: typically 300mA at 24VDC for 4 digit standard LED displays (1A peak), typically 450mA at 24VDC for 6 digit standard LED displays (1.5A peak), typically 600mA at 24VDC for 4 digit high contrast LED displays (1A peak), typically 900mA at 24VDC for 6 digit high contrast LED displays (1.5A peak), (plus current for sensor if on board supply is used)
Outputs (standard):	4 x relays, (1 x form C, 3 x form A), rated at 240VAC, 5A resistive
Outputs (optional):	See order code table (type is factory configured)
Relay action:	Programmable N.O. or N.C.
Environmental rating:	IP65
Weight:	4 digit displays 10.5kg, 6 digit displays 13.5kg
Dimensions:	4 digit displays 450 x 250 x 155mm 6 digit displays 650 x 250 x 155mm

## Optional shrouds

Shroud kits for 100mm displays consist of 2 side panels, a top plate (length is model dependant) and fixing hardware. The overhang of the shroud is 90mm for all models. The shrouds are of powder coated zinc coated steel to match the metal enclosures.

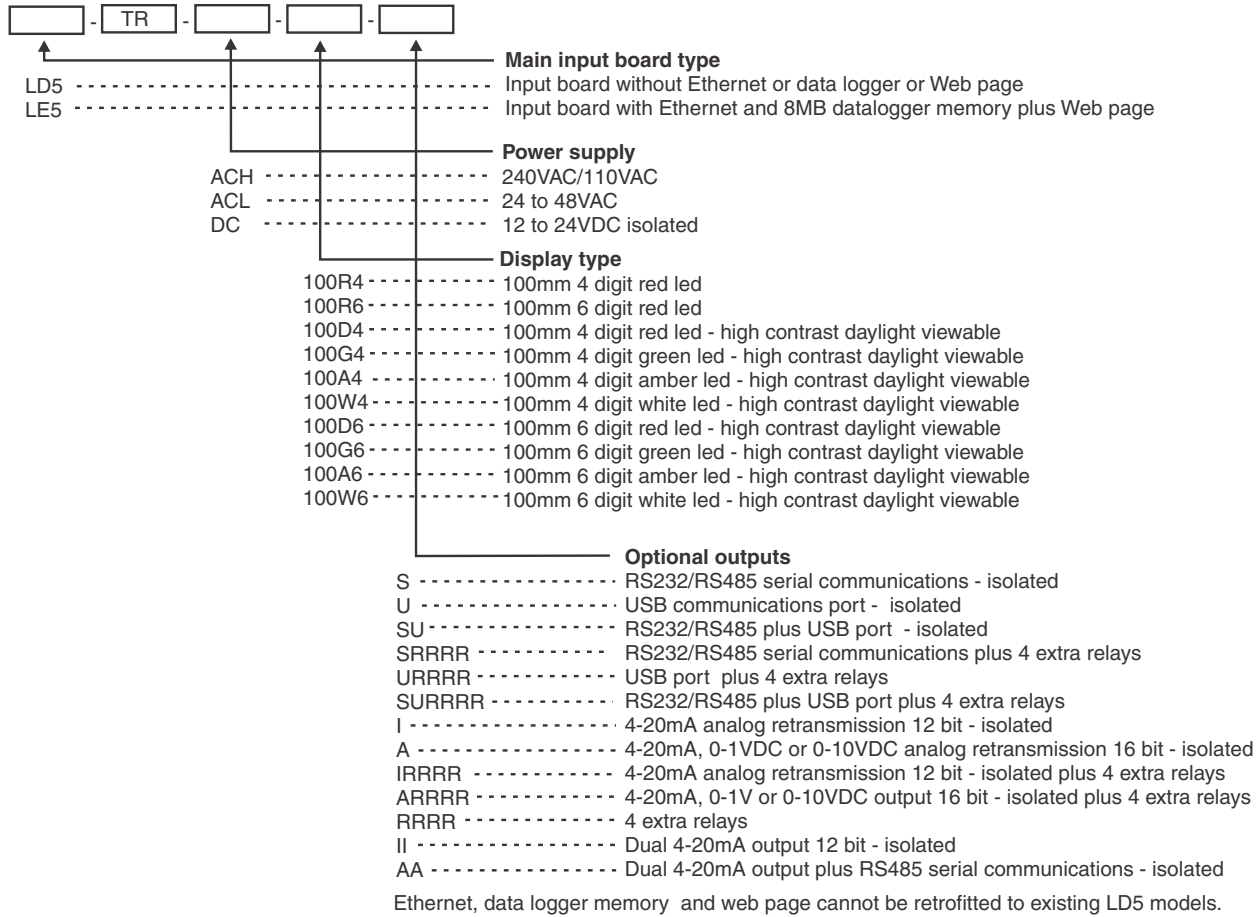


LD5TR100-1.1-0

## Order codes for 100mm displays

The last sections is for optional items (if required).

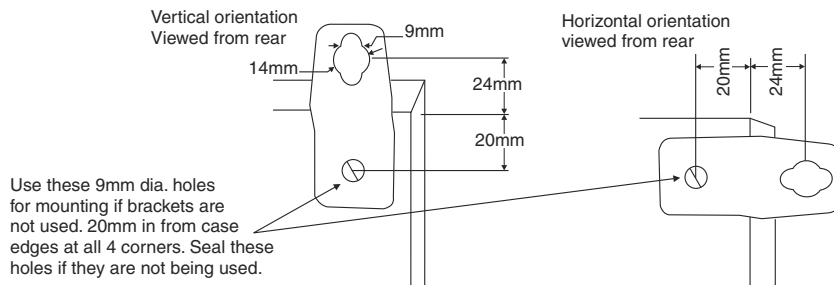
Optional outputs are factory configured.



## Mounting brackets

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

The diagrams illustrate vertical and horizontal installation of these 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.



LD5TR100-1.1-0