

3+½ Digit Indicator

DI350 Current/Voltage Inputs



- Bright 3+½ digit LED display in engineering units
- Current or Voltage signal inputs
- Integral power supply for active input devices
- Linearity $\pm 0.1\%$ of span
- AC or DC powered
- Fully Isolated
- 1/8 DIN standard front with IP65 rating
- Removable, screw type, terminal blocks



Australia

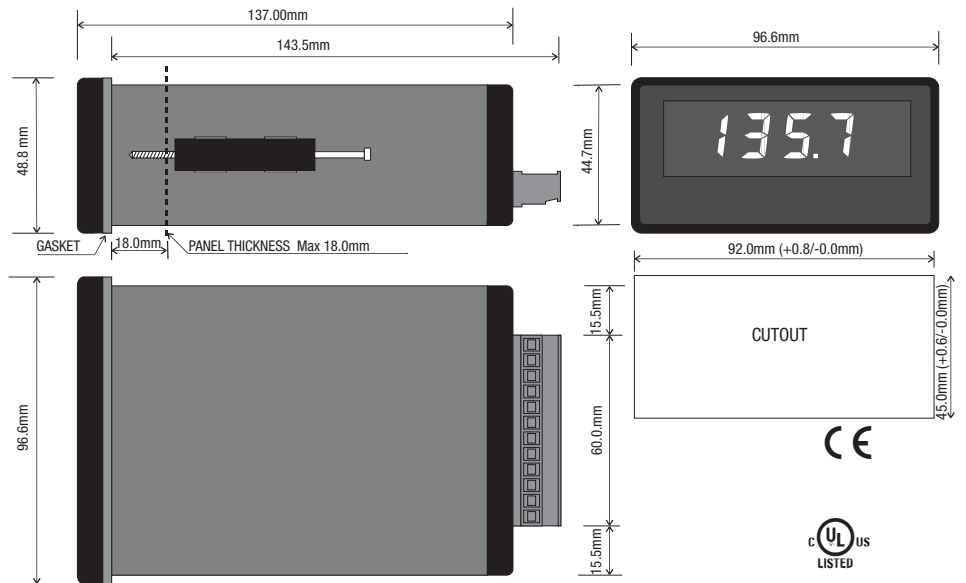
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General Technical Data

Display	
Type	Full 3+½ digit, red 14.2 mm LED
Scaling	To display in % or engineering units
Display range	- 1999 to 1999
Decimal point setting	1.000, 10.00, 100.0
Inputs	
Type	Analogue current or voltage signals (as ordered)
Standard ranges	4-20mA / 0-10V (Other ranges are available on request)
Input Impedance	22 Ω (current inputs) or 1M Ω (voltage inputs)
Transducer supply	24Vdc (to 25 mA) output
Adjustments	
Type	22-turn potentiometers
Zero	±1200 counts
Span	from 20 to 2100 counts
Power supply	
Type	AC or DC powered
AC	110Vac @ 47-63Hz nominal (range 100-132Vac) 240Vac @ 47-63Hz nominal (range 200-264Vac)
DC	24Vdc nominal (range 12-35Vdc)
Power usage	AC 6VA or 4.5W at 24Vdc
Insulation Co-ordination	
Ports	Input / Power Supply
Rated Insulation Voltage	300Veff
Oversvoltage Category	III
Impulse Withstand	4kV (1.2 / 50)
Isolation	2 kV (between ports)
Environmental Conditions	
Operating temperature	0 to 60 °C
Storage temperature	-25 to +70 °C
Pollution Degree	2
Relative humidity	10-90% (non-condensing)
Performance	
Linearity	Better than 0.1% typical
Temperature drift	Less than 0.02% span/°C
Long term drift	0.1% per 10,000 hours
Housing	
Type	Double Insulated Panel mount Enclosure
Front bezel	IP65 rated 1/8 DIN format
Dimensions	See mechanical drawing
Weight	0.24kg

Connections

Terminal	Signal	
1	24Vdc Sensor Supply	Inputs
2	0Vdc Sensor Supply	
3	Input +	
4	Input -	
5	Not used	
6	Not used	
7	Live (+)	Power Supply
8	Neutral (-)	

Ordering Information

Type (Model)	Input/Display/Supply	Cat. No.
DI350 0-10V/0-100.0/24Vdc		7940011570
DI350 4-20mA/0-100.0/24Vdc		7940010185

For other ranges please specify DI350 1/2/3 where:

- 1 = Input range
- 2 = Display range
- 3 = Power Supply Voltage

Approvals

Mark	Standards	
	E256486	CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004
CE *	LV Directive EMC	EN50178:1998 BS EN 61326:1998 + A2
*24Vdc Powered units only		