

3+½ Digit, Loop Powered, Indicator

LPD350



The LPD350 is a compact, cost effective, 3+½ digit digital indicator designed specifically for current loop signals.

- Large 3+½ digit LCD display in engineering units
- 4-20mA input
- Loop powered (125Ω loop load)
- Direct or Reverse action display
- Linearity ±0.1% of span
- 1/8 DIN standard front with IP65 rating
- Removable, screw type, terminal blocks



Australia

Weidmüller Pty Ltd.
43 Huntingwood Drive, Huntingwood
NSW 2148
Phone +61 (0) 2 9671 9999
Fax +61 (0) 2 9671 9900
Info@weidmuller.com.au
www.mannseries.com

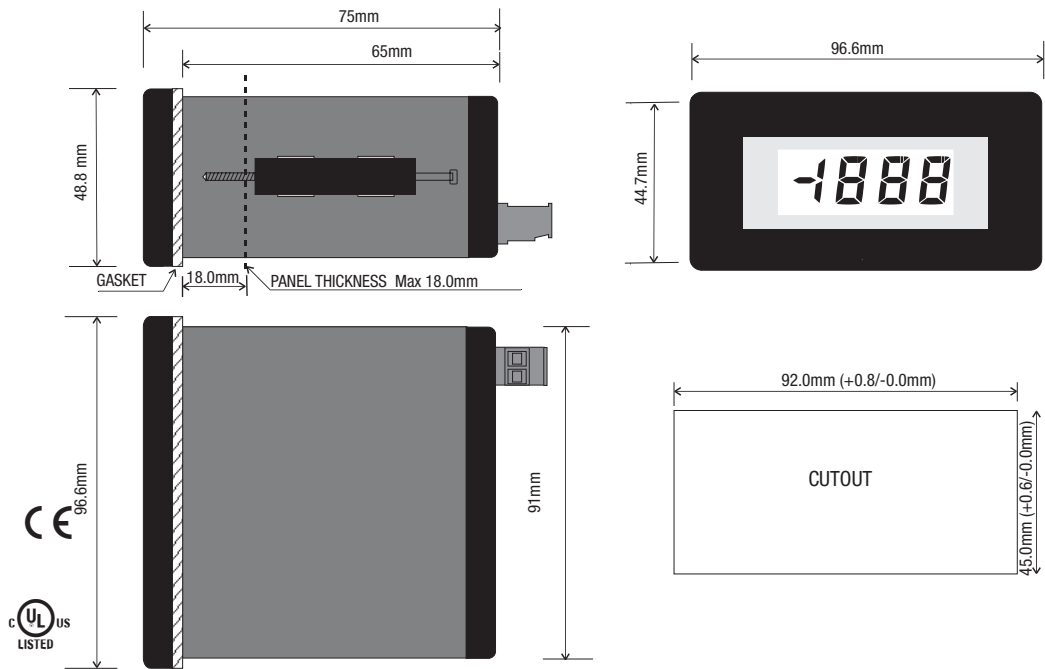
United Kingdom

Weidmüller Ltd.
1 Abbey Wood Road, Kings Hill
West Malling, Kent ME19 4YT
Phone +44 1732-877032
Fax +44 1732-873873
Info@weidmuller.co.uk
www.weidmueller.com

Other countries

Weidmüller Interface GmbH & Co.
Postfach 3030
32720 Detmold
Phone +495231-14-0
Fax +495231-14-2083
info@weidmueller.com
www.weidmueller.com

LPD350 Loop Powered Digital Indicator



General Technical Data

Display							
Type	3+1/2 digit 12.7mm (0.5 Inch) LCD						
Range	-1999 to +1999						
Decimal point selection	1888 1.888 18.88 or 188.8						
Overrange display	Blanked except for 1 at left						
Inputs							
Type	4-20mA						
Voltage drop	2.5V @ 20mA						
Max loop loading	125Ω						
Max forward current	100mA continuous or 500mA for 10s						
Max reverse current	500mA continuous						
Adjustments							
Type	20-turn potentiometers						
Zero	±1999 counts in two switched ranges						
Span	from 0 to 3998 counts in 3 switched ranges						
Performance							
Accuracy	±0.05% span error ±1 count						
Temperature drift	Zero ±0.1 counts per °C Span ±0.1 counts per °C						
Response time	200mS from 10-90% output						
Sample rate	2.5 per second						
Insulation Co-ordination							
Ports	Input / Case						
Rated Insulation Voltage	300Veff						
Overvoltage Category	III						
Environmental Conditions							
Operating temperature	-20 to +70 °C						
Storage temperature	-25 to +70 °C						
Pollution Degree	2						
Relative humidity	10-90% (non-condensing)						
Housing							
Type	Double Insulated Panel mount Enclosure						
Front bezel	IP65 rated 1/8 DIN format						
Approvals							
LDP350	<table border="1"> <thead> <tr> <th>Mark</th> <th>Mark</th> </tr> </thead> <tbody> <tr> <td></td> <td>E256486</td> </tr> <tr> <td></td> <td>LV Directive EMC</td> </tr> </tbody> </table>	Mark	Mark		E256486		LV Directive EMC
Mark	Mark						
	E256486						
	LV Directive EMC						
	<table border="1"> <thead> <tr> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004</td> </tr> <tr> <td>EN50178:1998 BS EN 61326:1998 + A2</td> </tr> </tbody> </table>	Standard	CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004	EN50178:1998 BS EN 61326:1998 + A2			
Standard							
CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004							
EN50178:1998 BS EN 61326:1998 + A2							

Connections

Terminal	Signal	
1	Input -	Inputs
2	Input +	

Ordering Information

Type	Cat. No.
LPD350 4-20mA/0-100.0	7940010163

Note: For other ranges please specify LPD350 1/2 where:
1 = Input current range
2 = Display range