Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

3+½ Digit, Loop Powered, Indicator

LPD350

The LPD350 is a compact, cost effective, 3+½ 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

Weidmüller

LPD350 Loop Powered Digital Indicator

75mm
65mm
48.8 mm
GASKET
18.0mm
PANEL THICKNESS Max 18.0mm

96.6mm
44.7mm

96.6mm
91mm

CE

c(UL)us LISTED

92.0mm (+0.8/-0.0mm)
45.0mm (+0.6/-0.0mm)
CUTOUT
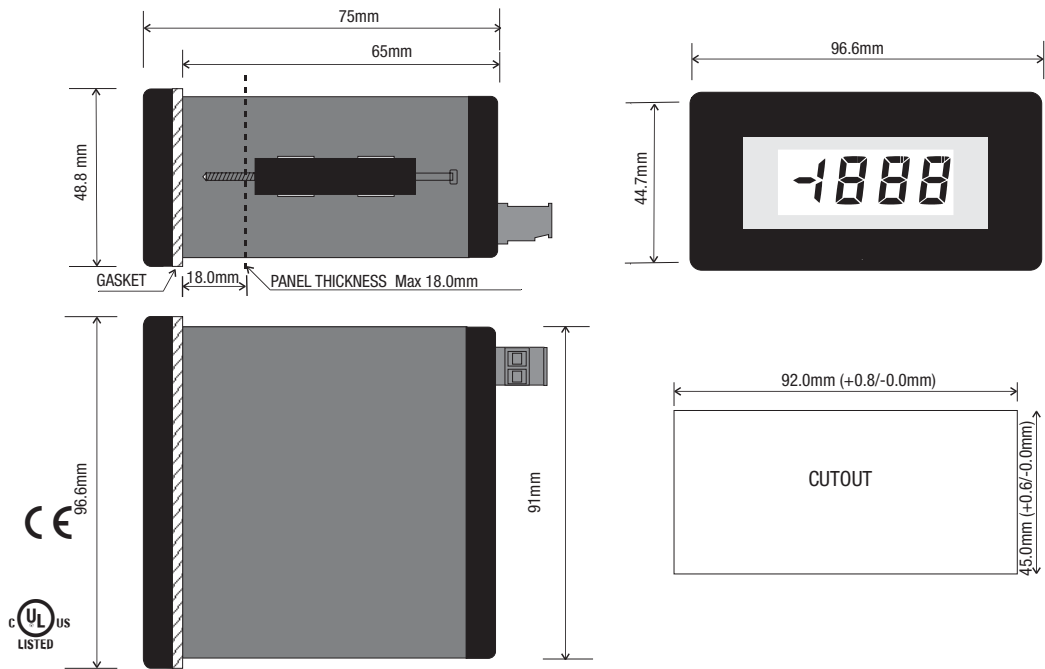
General Technical Data

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

Standard

	CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004
	EN50178:1998 BS EN 61326:1998 + A2

Approvals

Approvals	Mark	
LDP350	c(UL)us LISTED	E256486
	CE	LV Directive EMC

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

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