Data Sheet  •  Mann Series

3½ Digit, Loop Powered, Indicator

LPD350

The LPD350 is a compact, cost effective, 3½ digital indicator designed specifically for current loop signals.

• Large 3½ 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
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, 18.88, 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
- Type: LDP350
- Mark: LV Directive EMC
- CAN/CSA C22.2 No. 1010.1:92
- UL61010-1: 2004
- EN60717:1998
- EN61326:1998 + A2

### Ordering Information
- Type: LPD350
- Cat. No.: 7940010163

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

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