



Techtrol Loop Powered Indicator 'LP-Cator'

It is microcontroller based 2 wire loop powered indicator. It can accept 4-20mA current input from a transmitter, measuring any variable parameter like level, temperature, flow or pressure.

Salient Features

- 5 digit LCD display
- Accuracy $\pm 0.25\%$ of FSD
- Reverse Voltage Protection
- User friendly program
- Choice of IP65 or Ex d Gr. IIB protection
- Offset facility for field error compensation

Construction and Operation

The electronic circuitry is housed in an enclosure. It is powered through 4-20 mA loop of 2 wire transmitter. The linear current input of 4-20mA is processed to give precise indication of the parameter. In case the unit of measuring parameter is fixed by the user, then this measurement unit can be shown adjacent to the display, by means of a sticker.

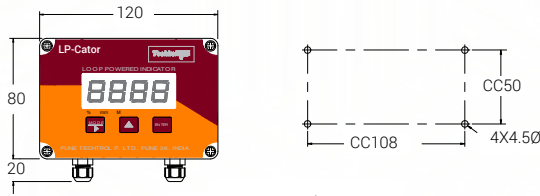
With IP65 Enclosure



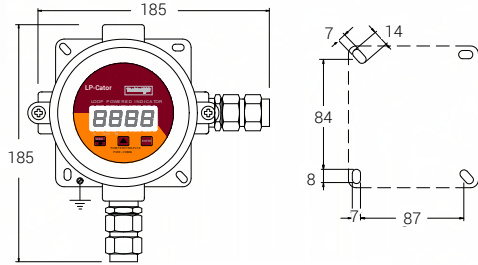
With Ex-proof Enclosure



Dimensions of field mounted enclosure (wall mtd.)

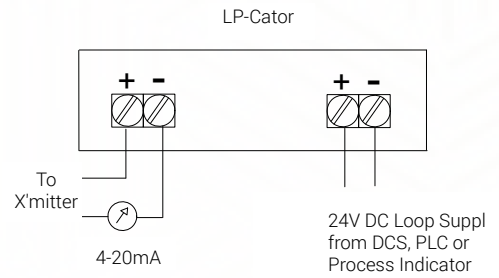


IP65 Enclosure



Ex-proof Enclosure

Termination & wiring diagram



Specifications

Indication Range	: 0 to 40000
Display	: LCD, 5 digit, 15 mm character height
Accuracy	: $\pm 0.25\%$
Resolution	: 16 bit
Least Count	: Selectable decimal point (0.001, 0.01, 0.1 or 1)
Power Supply	: 24VDC loop powered (≤ 28 VDC)
Loop Voltage Drop	: < 5 VDC
Current Consumption	: 1.1 mA
Under/Over Range Indications	: Display shows 'Und' / 'Ovr' Indications
Terminals	: Suitable for 1.5mm ² conductor
Amb Temperature	: 0 to 60°C
Humidity	: Below 95% Rh non condensing
Enclosure	: 1) ABS x IP65 x Wall Mtd. x 2 no Cable Glands PG9 Size – 120L x 80W x 55H 2) Cast Al x Ex d Gr. IIB x 2 no Cable Glands 1/2"NPT Size – 145L x 145W x 100H

Model Identification

LP-Cator –

Enclosure

IP65 x ABS ----- J
Ex d Gr. IIB x Cast Al. ----- E

Ordering Information

Model No x Unit of measurement

PUNE TECHTROL PVT LTD



Regd. & Sales: S-18, MIDC Bhosari, Pune - 411026, India
+91-20-66342900 | ho@punetechtrol.com

Works: J-52/7, MIDC Bhosari, Pune - 411026, India
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*All dimensions in mm except specified