

TECHTROL LOOP POWERED INDICATOR 'LP- CATOR'

It is a microcontroller based, programmable 2 wire loop powered indicator, accepts 4-20mA input from a transmitter, to measure Level, Temperature, Flow or Pressure.



LP- Cator- JA
IP65 Enclosure x LED Display



LP- Cator - JB
IP65 Enclosure x LCD Display



LP- Cator - EB
Ex-proof Enclosure x LCD Display

SALIENT FEATURES

- Loop powered, no separate power supply required,
- Display indication in 7 segment LED (4 digits) or LCD (5 digits)
- Reverse Voltage Protection
- User friendly program
- Enclosure IP65 or Exd Gr. IIB protection

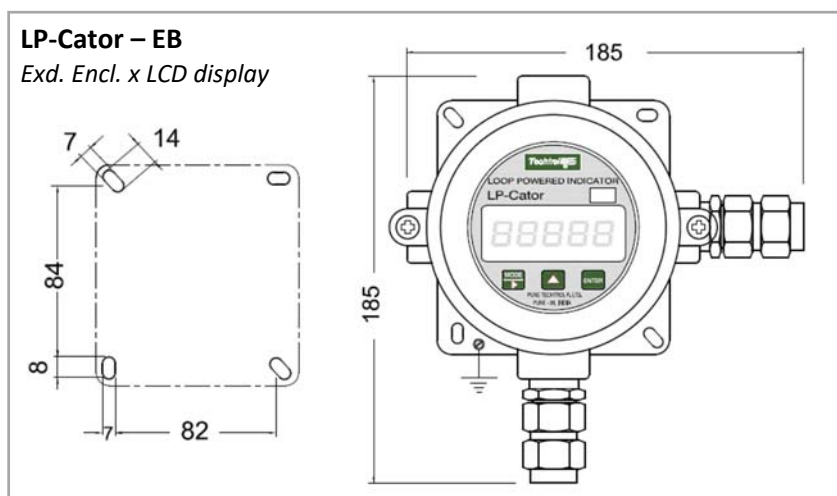
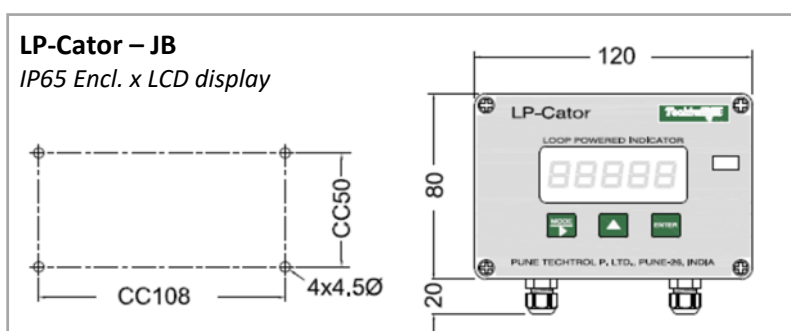
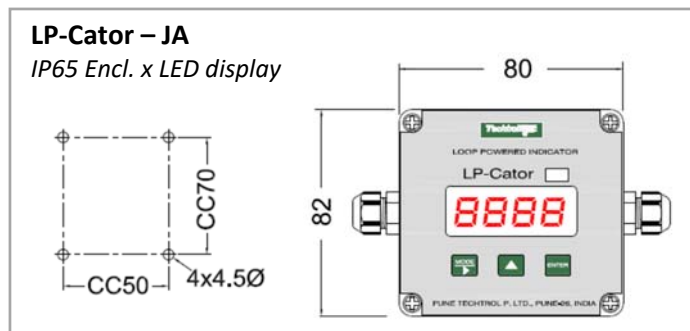
CONSTRUCTION & OPERATION

The microcontroller based electronic circuitry is housed in an enclosure. It is available in 7 segment LED display or LCD display. 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.

SPECIFICATIONS

Model	LP-Cator - JA	LP-Cator - JB	LP-Cator - EB
Display Indication	LED 7 segment, 4 digits, 0.56" H	LCD, 5 digits, 15 mm character height	
Range Indication	0 to 9999	0 to 40000	
Input	4 - 20 mA		
Accuracy	± 0.15%	± 0.25%	
Resolution	16 bit		
Least Count	Decimal point selectable		
Power Supply	24 VDC loop powered (≤ 28 VDC)		
Loop Voltage Drop	< 4.5	< 5 VDC	
Under/Over Range	NA	'Und' or 'Ovr'	
Terminals	Suitable for 1.5mm ² conductor		
Amb. Temperature	0 to 55°C		
Humidity	Below 95% Rh non condensing		
Enclosure x Cable Gland (2 nos.)	ABS IP65, Wall Mtd. x Cable Glands PG9, Nylon, Size : 80L x 82 W x 55 H	ABS IP65, Wall Mtd. x Cable Glands PG9, Nylon, Size: 120L x 80W x 55H mm	Cast Al Exd Gr.IIB, Wall Mtd. x Cable Glands ½" NPT DC Brass, Size:145L x 145W x 100H

DIMENSION DETAILS



ORDERING INFORMATION

Specify Model Number x Unit of measurement

All dimensions in mm except specified