masibus°



LPI-1-XP

Ex-Proof Loop
Powered Indicators

- -LED Display
- -Wall Mount or Pipe Mount

Masibus LPI-1-XP Explosion Proof series Loop powered Indicator is available in two mounting types; Wall mount and 2" Pipe Mount, having LED display. Both models are two-wire loop powered and need no Auxiliary power. The voltage drop across the loop is limited to 5V

Loop powered Indicator is housed in compact Ex-Proof enclosure suitable for Gas Group IIA/IIB, Zone 1 & 2, the enclosure is also IP-65 certified. Both models deliver an accuracy of 0.1% of FS combined with a low temperature drift.

The indication range can be easily scaled by 3 pushbuttons inside, the scale can be set to any range between -1999 to 9999 for 4-20mA input, and reverse scaling is also possible.

The display is factory oriented for horizontal or vertical mounting but can be also reoriented in the field.

Features

- 4-Digit LED Display option
- Ex-proof protection for Gas groups IIA & IIB, Zone-1 & 2
- IP65 certified
- Loop Powered with low voltage drop
- Reverse scaling for indication range
- Square root extraction
- Accuracy 0.1% of FS
- Wall or Pipe mounting options

Applications

For hazardous area Loop powered applications in industries like

- Pharma
- Oil & gas
- Petrochemical
- Mining
- Chemicals
- Fertilizer
- Steel

maximum.

TECHNICAL SPECIFICATIONS

Specification LED Display Indicator

Display Type



IIIput	
Current	4-20mA
Voltage drop	<5V
Maximum current	30mA
Minimum current for operation	3 5m∆

Display
Display
O.56", Seven Segment LED, Red 4-digit
Indication Range

Indication Range -1999 to 9999
Decimals Selectable, 0 to 3
Response time <500 mSec

Configuration

Scaling Via Three pushbuttons at front panel **Accuracy**

 Indication
 0.1% of FS (+/- 1 digit)

 Resolution
 16 bits

 Temp-co
 <100ppm</td>

 Physical
 Material (Aluminium + Alloy LM-6)

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Material (Cast Aluminium Alloy LM-6

Gas Group, Zone IIA/IIB, Zone 1 & 2

IP (Ingress Protection) Enclosure IP-65

Cable entry size/no 4" ET cable gland - 2 Nos

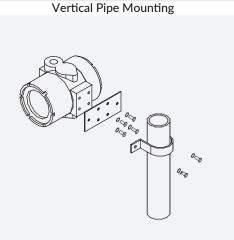
Dimensions (in mm) 112 (W) x115 (H) x146 (D)

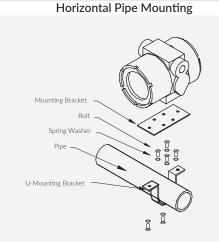
Weight 2.2 Kg

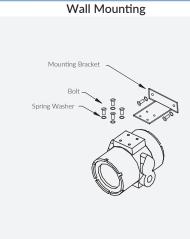
Terminal Cable Size 2.5 mm²

EnvironmentalOperating Temperature0 to 55 °CStorage Temperature0 to 80 °CHumidity20 to 95% (non-condensing)

Mechanical Layout: (For Aluminium Alloy LM-6 Enclosure)







ORDERING CODE

Model	Display	Mounting	
LPI-1-XP	LED	VP	Vertical Pipe Mount
		HP	Horizontal Pipe Mount
		WO	Wall Mount

Accessories (Optional)					
Mounting Kit					
1	Pipe Mounting kit	m-MK-FP-60-1			
2	Wall Mounting kit	m-MK-FW-60-1			