

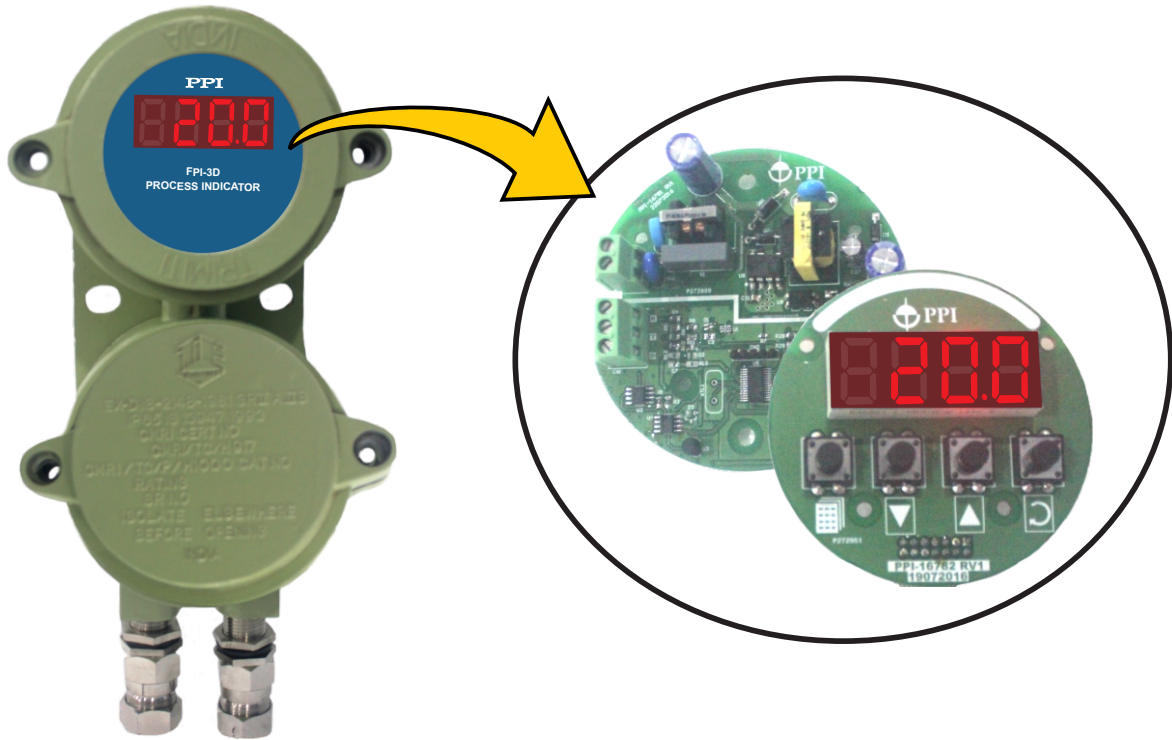
Flameproof Process Indicator

FPI-3D

Gas Group IIA, IIB Certified
Two 3/4" ET Cable Glands
DC Linear Voltage / Current Inputs

Process Precision Instruments
Vasai Road (E), Dist. Palghar - 401210,
Maharashtra, India

www.ppiindia.net



Salient Features

- 4 Digit, 0.5" Ht., Bright Red, 7-Segment LED Display
- Selectable Inputs: 0 to 20 mA, 4 to 20 mA, 0 to 5 V, 0 to 10 V
- Programmable Scaling with Resolution
- Programmable Zero Offset
- Parameter Setting Through Four Internal Keys
- Flame Proof Enclosure (Aluminum Alloy)
- Certified for Gas Groups IIA & IIB
- Two 3/4" ET Cable Entries with Glands
- Enclosure Size : 140(W) X 240(H) X 90(D), mm
- Wide Supply Voltage Range : 85 ~ 265 VAC

General Information

Product Type	Flameproof Process Indicator Certified for Gas Groups IIA & IIB
Ordering Code	FPI-3D
Quantity	1 Unit
Similar Modules	FPI-3T

Flameproof Process Indicator

Operator Interface

Display	4 Digits, 0.5" Bright Red, 7 Segment LED
Keys (Internal)	4 Tactile Switches PAGE, DOWN, UP, ENTER

Sensor Input

Type (User Configurable)	DC Linear Current : 0 to 20 mA, 4 to 20 mA DC Linear Voltage : 0 to 5 V, 0 to 10 V
Accuracy	± 0.25% of reading ± 1°C
Display Range	User Programmable through 'Range Low' & 'Range High' Parameters -1999 to 9999 Counts
Display Resolution	User Programmable : 1 / 0.1 / 0.01 Count
ADC	16 Bit (± 32,768 Counts), Sigma-Delta ($\Sigma\Delta$)
Sampling Time	200mS (5 Samples per Second)
Input Resistance	> 1 M Ω
Common Mode Rejection	> 100dB at 50/60 Hz
Signal Conditioning	R-C Low-Pass Filter
Zero Offset	User Adjustable over Full Range

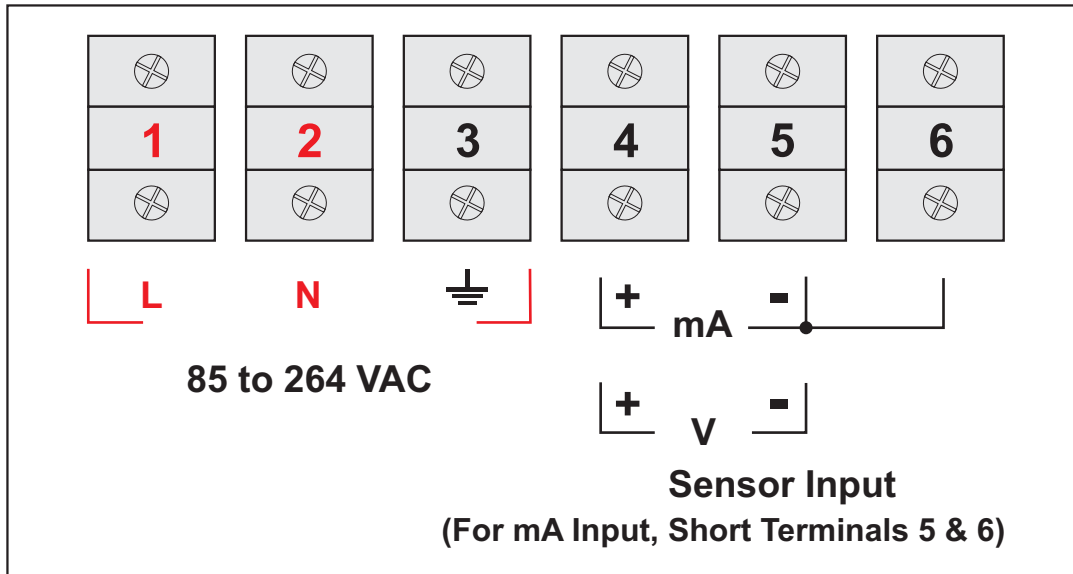
Power Supply

Type	Switch Mode (SMPS)
Line Voltage	85~264 VAC, 50/60Hz
Consumption	5 VA Max

Physical

Enclosure	Flame Proof (Aluminum Alloy), Certified for Gas Group I, IIA & IIB
Overall Dimensions	140(W) X 240(H) X 90(D), mm
Terminals	Screw Type
Weight	Max. 1.5 Kg

Electrical Connections



Process Precision Instruments (An ISO 9001 : 2008 Company)

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