

PROCESS INDICATOR

PI 51

Features

- ◆ Analog Input with Accurate Indication
- ◆ Economical & Easy to Configure model
- ◆ BIG & BRIGHT **0.8inch** LED Display with RED and WHITE color option.

TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

Input Types	Input	Range
	Voltage	0 to 10V DC
Current	0 to 20mA DC, 4 to 20mA DC	
Range	-999 to 9999 (For all Input)	
Resolution	0.1, 0.01, 0.001, 0001	
Input Filter Time	0.1 Sec to 10.0 Sec (Decimal Point configurable)	
Indication Accuracy	±1% of FSD ± 1 Digit (FSD:- Full Scale Deflection)	

POWER SUPPLY:

Supply Voltage	100V to 270V AC, 50-60Hz
Power Consumption (VA Rating)	<4VA

DISPLAY

Display	4 Digit, 7 Segment LED, 0.8 inch (20mm Height)
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ENVIRONMENT CONDITION:

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (As per request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

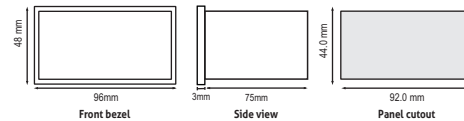
KEY OPERATION

Key	Funtion
	SET Key (Long Press to Enter Parameter Menu)
	UP Key (To increase the value/navigate in menu)
	Left Shift Key (To shift Decimal Point of the value)

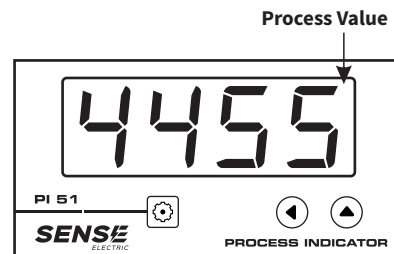
MECHANICAL DIMENSIONS

PI 51

Size (mm)	48 (H) x 96 (W) x 55 (D) mm
Panel Cutout	44 (H) x 92 (W) mm



FRONT PANEL DESCRIPTION



INSTALLATION

For installing the meter

1. Prepare the panel cutout with proper dimensions as shown above.
2. Push the meter into the panel cutout. Secure the meter in it's place by fitting the clamp on the rear side. Fit the clamps on both the sides in diagonally opposite location for optimum fitting.
3. For proper sealing, tighten the screws evenly with required torque.

Terminal screw tightening torque:

0.68 Nm to 0.79 Nm (6.018ln-Lb to 6.992 ln-Lb)
Screw clamp tightening torque: 0.1N-m (0.885 Lb-inch)

SAFETY PRECAUTIONS :

All safety related conditions, symbols and instruction that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

- ◆ Do not use the equipment if there is any mechanical damage
- ◆ Ensure that the equipment is supplied with correct voltage

If there is physical damage to the unit then do not use it.

Read complete instruction prior to installation and operation of the unit.

Wiring Guidelines:

CAUTION :



- 1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.
- 2) Wiring shall be done strictly accordingly to the terminal layout with the shortest connection. Confirm that all connection are correct.

BASIC PARAMETER SETTINGS

Long press SET key

to enter the parameter setting menu

PASS Password

press SET key ↓

0000 Enter value 1-9999; Password is 15

press SET key ↓

1 n Pt INPUT SELECTION

press SET key ↓

4-20 Select the desired Input 4-20mA, 0-20mA, 0-10V DC

press SET key ↓

dp DECIMAL POINT

press SET key ↓

00.00 Configure the Decimal Point Using Shift Key

press SET key ↓

Lo LOW RANGE

press SET key ↓

0400 Enter value Range: -999 to 9999

press SET key ↓

h 19h HIGH RANGE

press SET key ↓

2000 Enter value Range: -999 to 9999

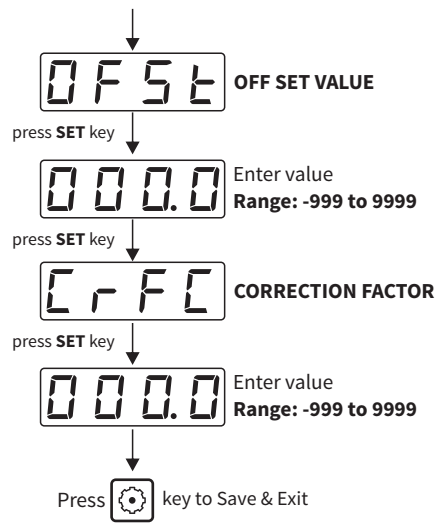
press SET key ↓

FLt Filter Time

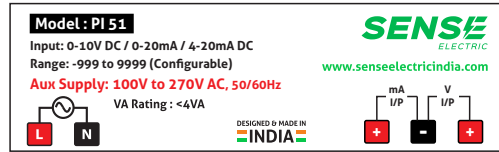
press SET key ↓

00.5 Enter value Range: 00.1 to 10.0 Sec

press SET key ↓



TERMINAL DIAGRAM



ERROR MESSAGE

The display shows the following error codes when an error has occurred.



◆ Beyond range input was used

For e.g. if the input selected is 0-10V DC then if it exceeds 10V DC the display will indicate **OVER** error message



◆ Input used is below Low Range

If the applied I/P signal is lower than the preset signal low level (SLL), this message will be shown.

ORDERING CODE

Order Code	Technical Specifications
PI 51-R	RED DISPLAY Input: 4-20mA/0-20mA/0-10V DC (Selectable) Size: 48x96mm, Supply: 100-270V AC
PI 51-W	WHITE DISPLAY Input: 4-20mA/0-20mA/0-10V DC (Selectable) Size: 48x96mm, Supply: 100-270V AC

Designed & Manufactured in India

Product up-gradation is a continuous process. Hence, data in this manual is subject to change without prior notice.

For latest information, please get in touch with our Sales Office.



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