

DPI-160-1

SINGLE CHANNEL BAR-GRAPH INDICATOR

Features

- Universal Input
- Multi Color Bar-Graph Display
- Open Sensor Indication
- 101 segment Bar-Graph Indication
- Software Calibration
- Cold junction Compensation for thermocouple input
- Single Channel

Description

Electronet Series DPI-160-1 is single channel Tri-color Bar-Graph Indicator specially designed for various industrial applications. These can be used for monitoring parameters like Temperature, Humidity, Pressure, Flow, Level etc. The input & measuring range are able to set through the keypad on front fascia and control output is available at the rear terminals. Retransmission output & communication port with Bar-Graph indication are additive features of DPI-160-1.



Technical Specifications

Performance Characteristics	
No. Of Bar-Graph Segments	101 Nos.
No. of Channels	01 No.
Input	1) Linear : 4-20mA, 0-20mA, 0-6V, 1-5V, -20uA to +20μA
	2) RTD : PT-100, PT-200(-100°C to 400°C)
	3) Thermocouple : J, K, R, S, T, B, E.
	4) Current (0-20 mA / 4-20 mA)
	5) Voltage (0-5 V DC / 0 - 0.1V DC)
Display	1) 4 Digit, 0.3", 7 Segment red LED for process variable.
	2) 101 Bi-color LED for Bar-Graph display.
Range	Programmable for mA & Voltage (-999 to +9999) & Fixed for RTD & Thermocouple
Accuracy	1) For R, S type Thermocouple, better than $\pm 0.5\%$ of F. S.
	2) For rest inputs, better than $\pm 0.1\%$ of F. S.
Open Sensor Indication	'OPEN' on display for RTD & Thermocouple input
Power Supply	1) 90 - 250 V AC 2) 24 V DC (+/- 10%)
Power Consumption	< 10 VA
Temperature Drift	< 0.01% of F. S. per °C change
Response Time	< 100 mSec
Isolation	1.4 KV between Input, Output & Power Supply
Enclosure	175 mm (H) x 35 mm (W) x 240 mm (D) Tolerance: +/-1mm
Cutout Size	136mm (H) x33 mm (W) Tolerance: +/-1mm
Case Size	240 mm (L) x 136 mm (H) x 33 mm (W) Tolerance: +/-1mm
Mounting	1) DIN Rail Mount 2) Field Mount
Weight	2 kg (Approx.)
Operating Conditions	Temperature -20 to 70 °C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Power Supply	24 V DC 30 mA, 24 V DC 100 mA
Retransmission Output	4 - 20 mA / 0 - 5 V, Isolated per channel
Alarm Output	Potential free Relay Contact - 2 nos. Configurable for high, low, high-high, low-low (1 c/o, 1 Amp. @ 230 V AC)

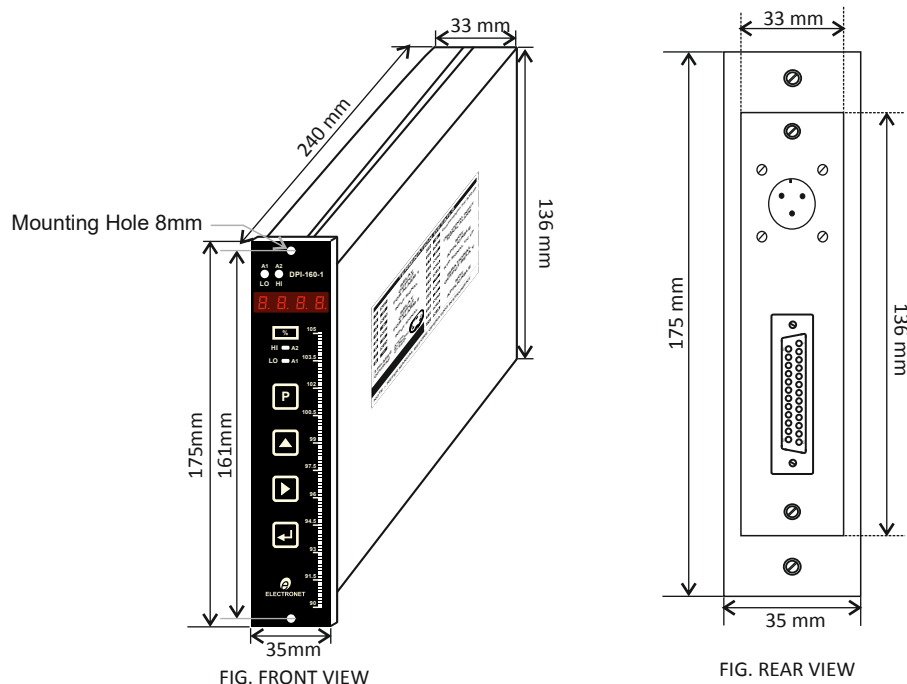


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Dimensional Drawing



Enclosure Size: 175 mm (H) x 35 mm (W) x 240 mm (D) Tolerance: +/-1mm

Cutout Size: 136mm (H) x 33 mm (W) Tolerance: +/-1mm

Case Size : 240 mm (L) x 136 mm (H) x 33 mm (W) Tolerance: +/-1mm

Ordering Information

Sample Order Code : DPI 160-1-A1-B1-C1-D1

Parameter		Code	Description
A	Input	A1	90 to 250 VAC
	Power Supply	A2	24 V DC (+/- 10%)
B	Input	B1	4 to 20 mA
		B2	0 to 5V
		B3	RTD
		B4	Thermocouple
		B5	Current
		B6	Voltage
		B7	Universal
		BY	Other

Parameter		Code	Description
C	Output	C1	4 to 20 mA
		C2	0 to 5V
		CX	NA
D	Alarm or Relay Output	D1	1 Relay Output
		D2	2 Relay Output
		DX	NA

Note :

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.



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