

DPI - 160 - 1

SINGLE CHANNEL BAR-GRAPH INDICATOR

Features

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

Description

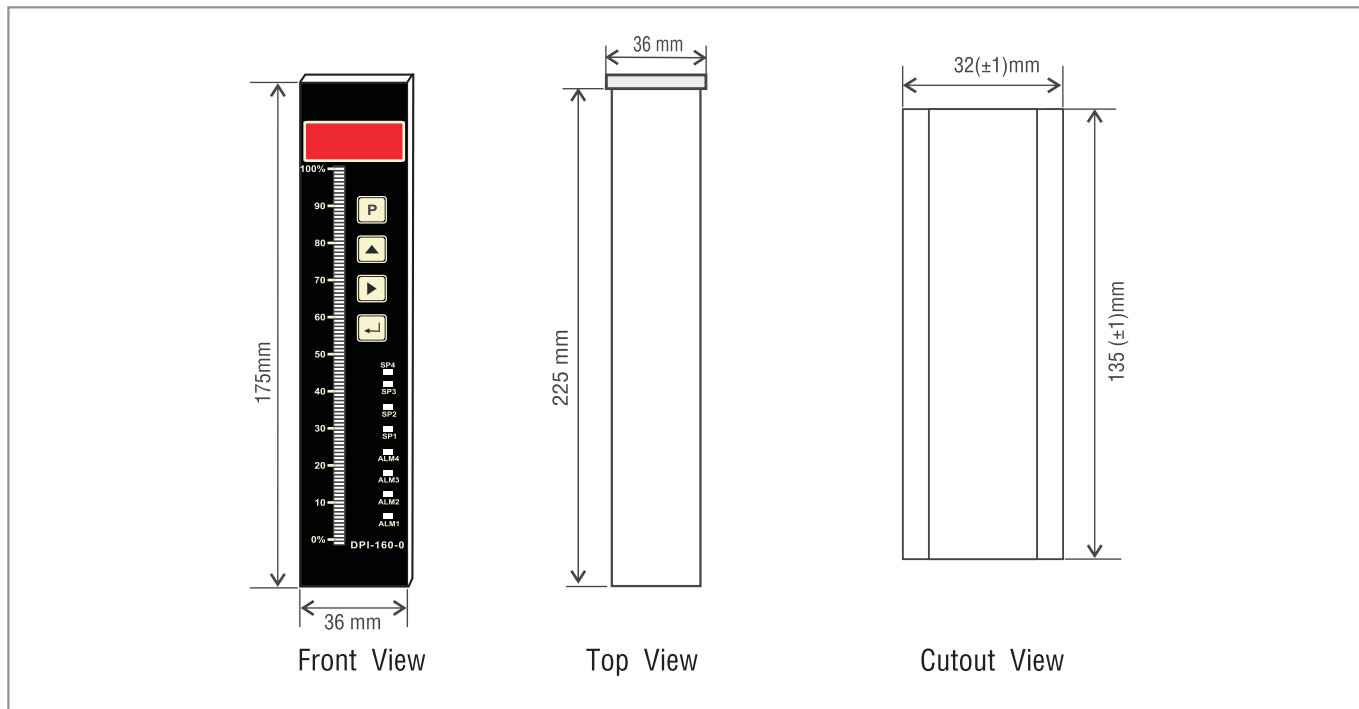
Electronet Series DPI-160-1 is single channel Tri-color Bar-Graph Indicator specially designed for various industrial applications. These can be used for monitoring parameters like Temperature, Humidity, Pressure, Flow, Level etc. The input & measuring range are able to set through the keypad on front 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

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 +20uA 2) RTD : PT-100, PT-200(-100°C to 400°C) 3) Thermocouple : J, K, R, S, T, B, E.
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	24V DC $\pm 10\%$
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	DIN STD.
Dimensions	37 (W) x 175 (H) x 225(D) in mm approx. for single channel
Mounting	Flush of the Panel
Weight	2 kg (Approx.)
Operating Conditions	Temperature -20 to 55 °C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Supply	24 V DC, 30 mA / 60 mA
Retransmission Output	4 - 20 mA / 0 - 5 V, Isolated per channel
Alarm Output	Potential free Relay Contact - 4 nos. Configurable for high, low, high-high, low-low (1 c/o, 1 Amp. @ 230 V AC)
Communication Port	1) RS 232 2) RS 485

Dimensional Drawing



Ordering Information

Sample Order Code : 28A-43F-52B-53A-57C-59B-60B

Parameter		Code	Value
28	Bazel Size	28A	36mm (H) x 175mm (W)
		28E	72mm (H) x 144mm (W)
43	Input	43F	4 to 20mA
		43G	0 to 5V / 1 to 5V
		43J	RTD
		43K	Thermocouple
		43M	Current
		43N	Voltage
		43O	Universal
		43X	Other
52	Alarm Output	52A	1 Alarm
		52B	2 Alarm
		52Y	None

Parameter		Code	Value
53	Communication Output 1	53A	RS 485
		53B	RS 232
		53Y	None
57	Retransmission Output 1	57A	4 to 20 mA
		57C	1 to 5V
		57Y	None
59	Transmitter Power Supply	59B	24V DC, 30 mA
		59Y	None
60	Input Power Supply	60A	90 to 250V AC
		60B	24V DC
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.			

Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

ELECTRONET EQUIPMENTS PVT. LTD.

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