



DPI - 160 - 2

DUAL CHANNEL BAR-GRAPH INDICATOR

Features

- Universal Input
- Dual Channel
- Open Sensor Indication
- Software Calibration
- 101 segment Bar-Graph Indication
- Cold junction Compensation for thermocouple input

Description

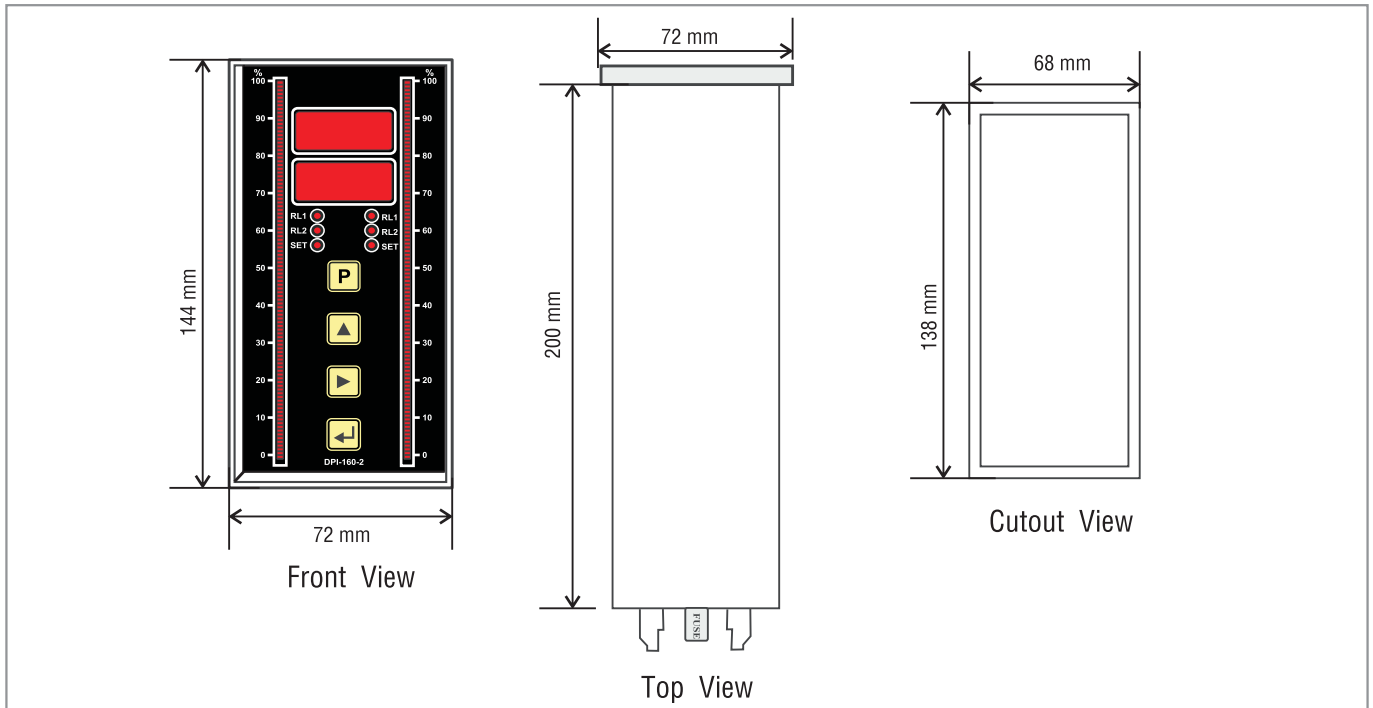
Electronet Series DPI-160-2 is dual channel Red Bar-Graph Indicator specially designed for various industrial applications. These can be used for monitoring parameters like Temperature, Humidity, Pressure, Flow, Level etc. The input & measuring range are able to set through the keypad on front fascia and control output is available at the rear terminals. Retransmission output & communication port with Bar-Graph indication are additive features of DPI-160-2.



Technical Specifications

No. Of Bar-Graph Segments	101 Nos.
No. of Channels	02 Nos.
Input	1) Dedicated: a) Current (4-20 mA) b) Voltage (0-5 V DC / 1-5 V DC) 2) Universal
Display	4 x 2 Digit, 0.3", 7 Segment Red LED 2) 101 Single Color LED for Bar-Graph display.
Range	Programmable for mA & Voltage (-1999 to +9999)
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) 24 V DC 2) 90 - 250 V AC
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	72 (W) x 144 (H) x 225 in mm approx. for dual 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	RS 485 / RS 232 supporting MODBUS RTU Protocol

Dimensional Drawing



Ordering Information

Sample Order Code : 44J-45G-52D-53B-57C-58A-59Y-60A

Parameter	Code	Value	Parameter	Code	Value		
44	Input 1	44F	4 to 20mA	52	Alarm Output	52A	1 Alarm
		44G	0 to 5V / 1 to 5V			52B	2 Alarm
		44J	RTD			52C	3 Alarm
		44K	Thermocouple			52D	4 Alarm
		44M	Current			52Y	None
		44N	Voltage	53	Communication Output 1	53A	RS 485
		44O	Universal			53B	RS 232
		44X	Other			53Y	None
45	Input 2	45F	4 to 20mA	57	Retransmission Output 1	57A	4 to 20 mA
		45G	0 to 5V / 1 to 5V			57C	1 to 5V
		45J	RTD			57Y	None
		45K	Thermocouple	58	Retransmission Output 2	58A	4 to 20 mA
		45M	Current			58C	1 to 5V
		45N	Voltage			58Y	None
		45O	Universal	59	Transmitter Power Supply	59B	24V DC, 30 mA
		45X	Other			59Y	None
Note : <ul style="list-style-type: none"> 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. 			60	Input Power Supply	60A	90 to 250V AC	
					60B	24V DC	

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