

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

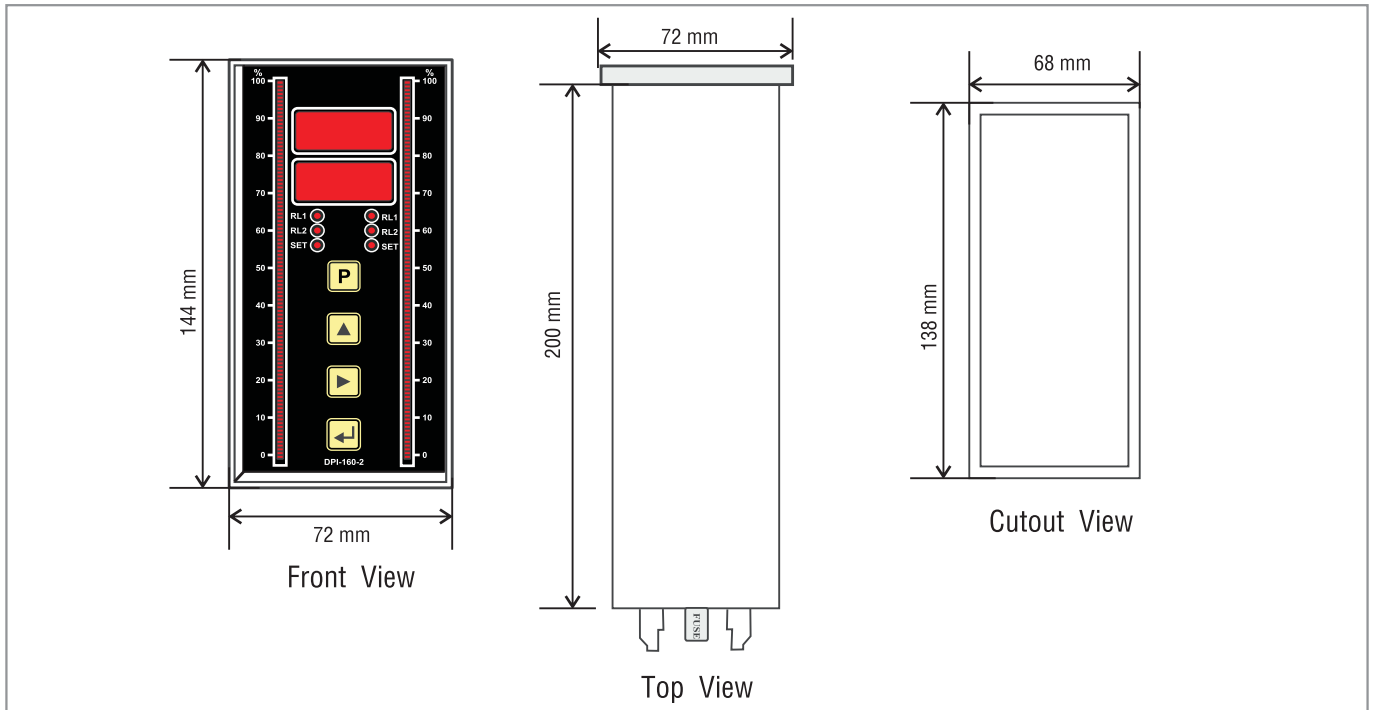
Electronet Series DPI-160-2 is dual channel Red Bar-Graph Indicator specially designed for various industrial applications. These can be used for monitoring parameters like Temperature, Humidity, Pressure, Flow, Level etc. The input & measuring range are able to set through the keypad on front fascia 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 $^{\circ}\text{C}$ 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 $^{\circ}\text{C}$ / 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

- 44 45 52 53 57 58 59 60

| 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 : | Due to our continuous product revisions, design specification and model numbers are subject to change without notice. | | 60 | Input Power Supply | 60A | 90 to 250V AC | |
| | Accuracy defined at Lab Conditions. | | | | 60B | 24V DC | |
| | | For other requirement please consult factory. | | | | | |

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC, Khandala, Dist. - Satara Pin: 412 801, Maharashtra, India.

Registered Office:

Plot No. 84, 85, 86, Tiny Industrial Estate, Kondhwa Budruk, Pune-411 048, Maharashtra, India.

USA Office:

IntelliComponents, Inc. 710 Dacula Rd., Ste 4A-200, Atlanta, GA 30019

+91-20-26931476/2039

ho@eeplindia.com

+91-20-26934122

(678)-720-3030

info@intellcomponentsinc.com