A loop powered indicator giving an accurate, zero corrected indication of 4-20mA loop current. Calibration is by two 20-turn cermet potentiometers which allow sensitive adjustment of the instrument. The meter is housed in a robust carrier, which can be bolted in place or panel mounted using the low profile bezel and clips provided.

- **1**9mm (0.75") Digit Height
- Programmable Decimal Points
- Low Volt Drop
- Simple Screw Terminal Connections



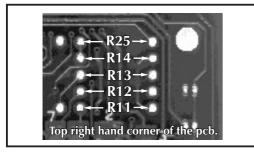
CUSTOM SCALING

For alternative scaling to the standard 0 - 1000, cut Link 8 and short Link 7. Add two resistors R12 and R13 which will set the basic scale of the meter. The highest practical value for the R12 and R13 series combination is 12R. To select your desired scaling, use the following formula:

R12 + R13 = Full Scale reading at 20mA

160

Re-calibrate as necessary.

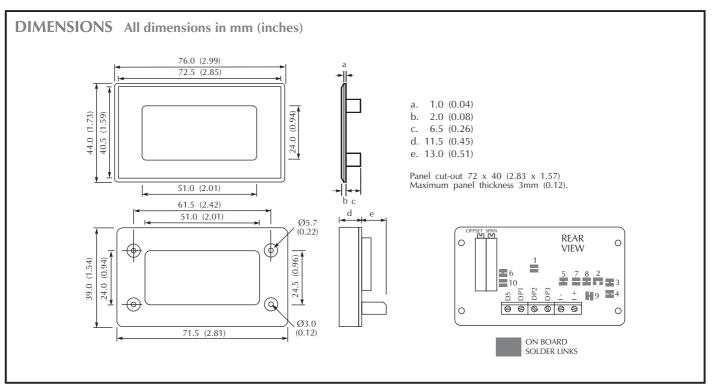


Stock Numb Standard Meter DPM 9				
Specification	Min.	Тур.	Max.	Unit
Accuracy (overall error) *	0.05		0.1	%(±1 count)
Linearity			±1	count
Sample rate		3		samples/sec
Operating temperature range	0		50	°C
Temperature stability		100		ppm/°C
Loop Volt Drop	3.9	4.3	4.8	V

^{*}To ensure maximum accuracy, re-calibrate periodically.

CONNECTOR SOURCING GUIDE

METHOD Screw Terminals - No Connector Required





LASCAR ELECTRONICS LTD.
MODULE HOUSE, WHITEPARISH,
WILTSHIRE SP5 2SJ UK
TEL: +44 (0)1794 884567 FAX: +44 (0)1794 884616
E-mail: sales@lascar.co.uk

LASCAR ELECTRONICS INC.

3750 West 26th Street, Erie, PA 16506 USA TEL: +1 (814) 835 0621 FAX: +1 (814) 838 8141 E-mail: us-sales@lascarelectronics.com LASCAR ELECTRONICS (HK) LIMITED FLAT C, 5/FL., LUCKY FTY. bldg., 63-65 HUNG TO ROAD KWUN TONG, KOWLOON, HONG KONG TEL: +852 2797 3219 FAX: +852 2343 6187 E-mail: b4lascar@samsongroup.com.hk

TERMINAL FUNCTIONS

1.	I+	Positive current input.
2.	I-	Negative current input.

3. DP3 1.000

4. DP2 10.00 -Decimal point inputs.

5. DP1 100.0

6. DS Decimal Point select. Connect to required DP input to display decimal point.

CALIBRATION

 $The \,meter \,is\, supplied\, calibrated\, to\, read\, 000\, for\, 4mA\, loop\, current\, and\, 1000\, for\, 20mA.$

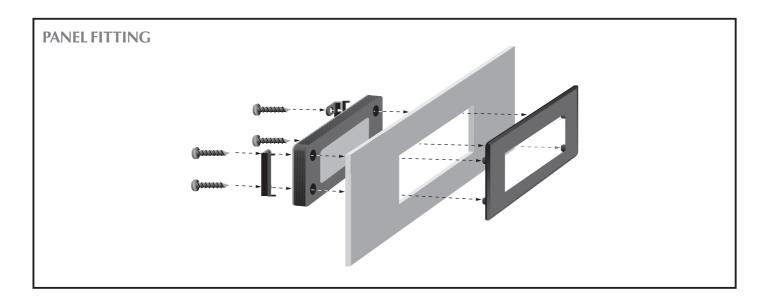
To re-calibrate:

- 1. Apply 4mA to I+/I- and adjust 'OFFSET' to read 000.
- 2. Apply 20mA and adjust 'SPAN' to read 1000.
- 3. Repeat steps 1 and 2 until there is no more adjustment of 'SPAN' and 'OFFSET' required to give desired readings.

SAFETY

To comply with the Low Voltage Directive (LVD 93/68/EEC), input voltages to the module's pins must not exceed 60Vdc. If voltages to the measuring inputs do exceed 60Vdc, then fit scaling resistors externally to the module. The user must ensure that the incorporation of the DPM into the user's equipment conforms to the relevant sections of BS EN 61010 (Safety Requirements for Electrical Equipment for Measuring, Control and Laboratory Use).

VARIOUS OPERATING MODES ON-BOARD LINKS: In order to quickly and easily change operating modes for Normally Normally **SHORTÉD OPEN** different applications, the meter has several "on-board links". They are designed Cut to Solder to to be easily opened (cut) or shorted (soldered). **OPEN SHORT** The DPM 942 is powered from the 4-20mA signal loop and needs no other power supply. Ensure correct polarity when connecting. DP2 4-20mA DP2 selected in this example. DPM 942 Transmitter DS



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for lascar manufacturer:

Other Similar products are found below:

EL-USB-1-PRO EL-USB-5 EL-USB-4 SP400-BLUE SGD21-B EL-WIFI-TP+-PROBE-G EL-CC-1-001 PK10 S43-RS485 EL-MOTE-WALL-BRACKET EL-MOTE-T-PLUS SGD24-M-IP EL-GFX-1 EM32-1B-LED EMV1200 DPM3AS-BL EL-GFX-DTC EL-USB-RT EL-WIFI-ALERT DTM 995B DPM125-BL DPM942-FPSI EL-CC-2-001 PK10 EL-CC-2-005 PK10 S70-TP EL-SIE-1 EL-SIE-1+ EL-SIE-2+ EL-SIE-6+ SGD24-M-IP420 WIRELESS ALERT TP EL-SGD43-ATP EL-GFX-2 EL-WIFI-TP DPM 950S-EB-W EM32-1B SGD 24-M-420 EL-CC-2-002 PK10 EL-USB-CO EMT1900 EL-ENVIROPAD-TC SGD 43-A DK+ EL-USB-2-LCD+ EL-WIFI-21CFR-TP+ EL-GFX-DTP+ EL-USB-ACT EL-CC-2-004 PK10 EL-USB-5+ EL-USB-TP-LCD-PROBE-G EL-CC-1-003 PK10 SGD 24-M-IP420