# DPM 950

Very low current consumption results in a long battery life and makes the DPM 950 ideal for portable equipment. For low light viewing, a long life LED backlight is fitted. The meter is housed in a robust carrier which can be bolted in place or panel mounted using the bezel, window and clips provided.

- 19mm (0.75") Digit Height
- IDC Interface
- Auto-zero
- Auto-polarity
- **@** 200mV d.c. Full Scale Reading (F.S.R.)
- LED Backlight
- **()** Single Rail Version
- Alarm Annunciator

## **SCALING**

NOTE

Two resistors Ra and Rb may be fitted in order to alter the full scale reading (F.S.R.) of the meter - see table. The meter will need re-calibration.

Required F.S.R.		Ra	Rb	
2V	Note	910k	100k	
20V	Note	1M	10k	
200V	Note	1M	1k	
2kV	Note	1M	100R	
200μΑ		LINK	1k	
2mA		LINK	100R	
20mA		LINK	10R	
200mA		LINK	1R	

Ensure that Link 10 is open if fitting Ra.

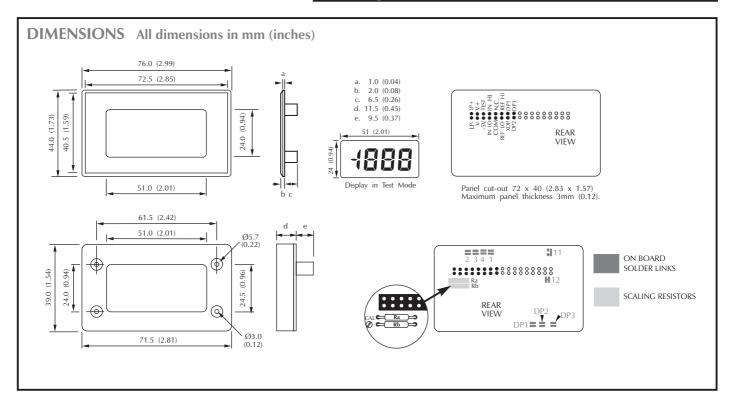
Standard Meter Single Rail Version				2	Stock Number DPM 950 DPM 950S
Specification		Min.	Тур.	Max.	Unit
Accuracy (overall error) **			0.05	0.1	% (±1 count)
Linearity				±1	count
Sample rate			3		samples/sec
Operating temperature range		0		50	°C
Temperature stability			100		ppm/°C
Supply voltage	DPM 950	7.5	9	14	V
(V+ to V-)	DPM 950S	3.5	5	6.5	v
Supply current	DPM 950		150		۸
(not including backlight)	DPM 950S		500		μΑ
Backlight current *			50		mA
Input leakage current (Vin = 0V)			1	10	рА

\* Supply voltage 5V nom.

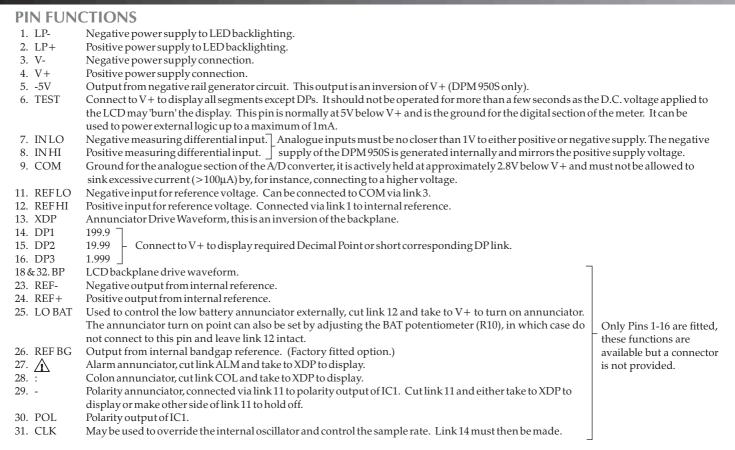
\*\* To ensure maximum accuracy, re-calibrate periodically.

# CONNECTOR SOURCING GUIDE

METHOD Cable Mounting IDC Supplied With Product

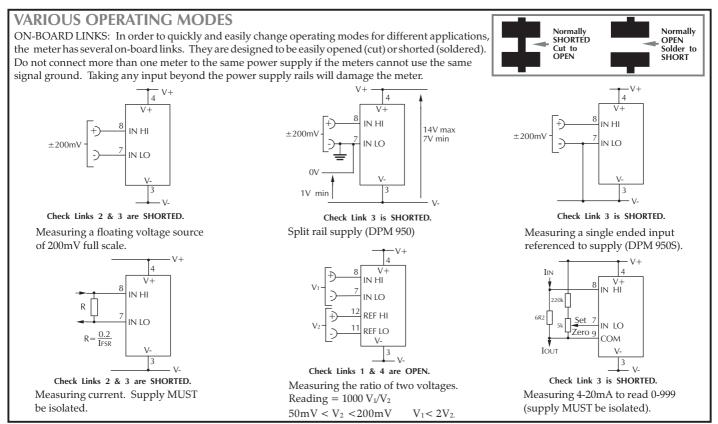






### **SAFETY**

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).



Specifications liable to change without prior warning

DPM 950 Issue 8