

DPM 125-BL

3½ Digit LCD Module

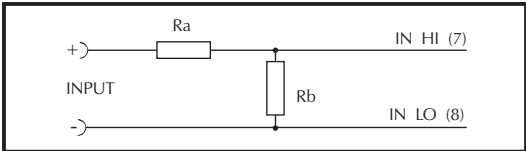
This compact LCD DPM uses advanced components and construction techniques to provide an unrivalled combination of high performance and low cost. For poor visibility, a long life LED backlight is fitted.

- 12.5mm (0.5”) Digit Height
- Logic Selectable Decimal Points
- Auto-zero
- Auto-polarity
- 200mV d.c. Full Scale Reading (F.S.R.)
- LED Backlighting



SCALING

Two resistors may be used to alter the full scale reading of the meter - see table.
The meter will have to be re-calibrated by adjusting the calibration potentiometer.



Required F.S.R.	Ra	Rb
2V	910k	100k
20V	1M	10k
200V	1M	1k
2kV *	10M	1k
200µA	0R	1k
2mA	0R	100R
20mA	0R	10R
200mA	0R	1R

*Ensure Ra is rated for high voltage use.

Stock Number

Standard Meter

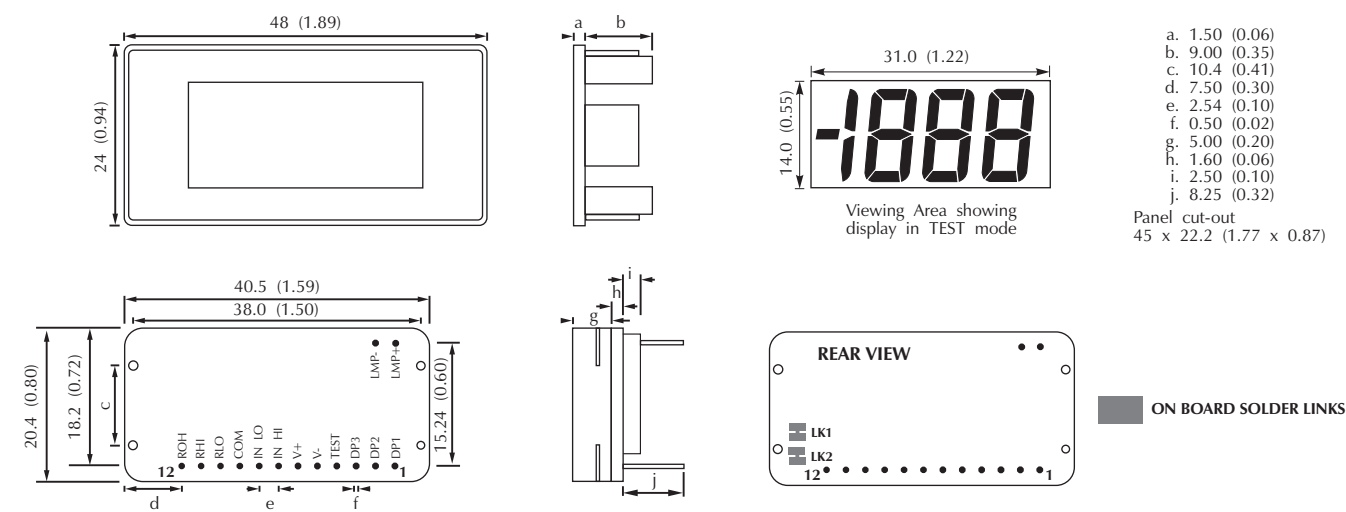
Specification	Min.	Typ.	Max.	Unit
Accuracy (overall error) **		0.05	0.1	% (±1 count)
Linearity			±1	count
Sample rate		3		samples/sec
Operating temperature range	0		50	°C
Temperature stability		100		ppm/°C
Supply voltage (V+ to V-)*	7.5	9	14	V
Supply current*		150		µA
Input leakage current (Vin = 0V)		1	10	pA
Backlight voltage	7.5	9	10	V
Backlight current		30	60	mA

* Excluding Backlight
** To ensure maximum accuracy, re-calibrate periodically.

CONNECTOR SOURCING GUIDE

METHOD	FARNELL	MOLEX	PANDUIT	RS	SAMTEC
PCB socket	103-963			188-2796	SS SERIES
IDC	429-508	38-00-2102	CE 100 F28-12	188-2796	HCSS SERIES

DIMENSIONS All dimensions in mm (inches)



PANEL FITTING

Fit the bezel to the front of the panel and then locate the meter into the bezel from behind. Alternatively the meter and bezel may be assembled before fitting into the front of the panel but care must be taken not to use excessive force. Finally fit the window into the front of the bezel.

