

3½ Digit DC Voltage and Current Panel Meter DPM-81000 and DPM-81110 series

FEATURES:

- 0.56 inch (14.2mm) digit height, LED display.
- Display hold capability
- Automatic zero and polarity
- Low cost high accuracy
- First standard 1/8 DIN panel cutout

GENERAL DESCRIPTION:

The DPM-81000 and 81110 series are low cost, high performance 3½ digit DC voltage and current panel meter. The meter accepts true differential input with excellent common mode noise rejection.

The series powered by either 110V or 220V power source, consists of 11 models to measure DC voltage and current, voltage input range from 200mV to 1000V, current input range from 220uA to 20A.



OPERATION SPECIFICATION:

Line Voltage..... 110/220VAC±10%
 Line Frequency..... 50/60 Hz
 Operating Temperature..... 0 to 50 (32 to 122)
 Humidity..... below 85% RH
 Power Consumption..... 4VA
 Temperature Coefficient..... 50 PPM/
 CMRR..... 110dB

TERMINAL DEFINITION:

Terminal	Symbol	Description
1	IN HI	Analog Signal Input
2	IN LO	
3	GND	Ground
4	HOLD	Connect to terminal 5(+5VDC) to hold the reading
5	+5V	Internal +5V DC output, 50mA MAX
6	220V	AC power source
7	110V	
8	0V	

MODEL NUMBER AND ELECTRICAL SPECIFICATION:

DC VOLTAGE MODELS

Model	Range	Accuracy	Resolution	Input Impedance	Sample Rate	Overload Protection
81002	200 mV	±0.1% Rdg±1 digit	100 uV	>100 M ohm	2.5 Reading/sec.	100V
81003	2 V		1 mV	>100 M ohm		100V
81004	20 V		10 mV	1 M ohm		300V
81005	200 V		100 mV	1 M ohm		500V
81006	1000 V		1 V	9 M ohm		1100V

DC CURRENTS MODELS

Model	Range	Accuracy	Resolution	Input Impedance	Sample Rate	Overload Protection
81112	200 uA	±0.1% Rdg±1 digit	0.1 uA	1000 ohm	2.5 Reading/sec.	2.5 A
81113	2 mA		1 uA	100 ohm		2.5 A
81114	20 mA		10 uA	10 ohm		2.5 A
81115	200 mA		0.1 mA	1 ohm		2.5 A
81116	2 A		1 mA	0.1 ohm		3 A
81117	20 A		±0.3% Rdg±1 digit	10 mA		0.002 ohm