

# 4½ Digit DC Voltage and Current Panel Meter DPM-84000 and DPM-84110 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-84000 and 84110 series are low cost, high performance 4½ 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..... 6VA  
 Temperature Coefficient..... 50 PPM/  
 CMRR..... 110dB  
 NMRR..... 60dB

## TERMINAL DEFINITION:

Terminal	Symbol	Description
1	IN HI	Analog Signal Input
2	IN LO	
3	GND	Ground
4	HOLD	Connect to terminal 3(GND) 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
84002	200 mV	±0.01% R <sub>dg</sub> ±2 digit	10 uV	1 M ohm	2.5 Reading/sec.	100V
84003	2 V		100 uV	>100 M ohm		100V
84004	20 V		1 mV	1 M ohm		300V
84005	200 V		10 mV	1 M ohm		500V
84006	1000 V		100 mV	9 M ohm		1100V

### DC CURRENTS MODELS

Model	Range	Accuracy	Resolution	Input Impedance	Sample Rate	Overload Protection
84112	200 uA	±0.03% R <sub>dg</sub> ±2 digit	0.01 uA	1000 ohm	2.5 Reading/sec.	2.5 A
84113	2 mA		0.1 uA	100 ohm		2.5 A
84114	20 mA		1 uA	10 ohm		2.5 A
84115	200 mA		10 uA	1 ohm		2.5 A
84116	2 A		0.1 mA	0.1 ohm		3 A
84117	20 A		±0.1% R <sub>dg</sub> ±2 digit	1 mA		0.002 ohm