

3½ Digit AC Voltage and Current Panel Meter DPM-81200 and DPM-81310 series

FEATURES:

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

GENERAL DESCRIPTION:

The DPM-81200 and 81310 series are low cost, high performance 3½ digit AC voltage and current panel meter. using a half-wave rectifier calibrated to read average RMS value of sine wave

The series powered by either 110V or 220V power source, consists of 11 models to measure AC voltage and current, voltage input range from 220mV to 750V, 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..... 100 PPM/

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:

AC VOLTAGE MODELS

Model	Range	Accuracy	Resolution	Input Impedance	Sample Rate	Overload Protection
81202	200 mV	±0.2% Rdg±1 digit	100 uV	>100 M ohm	2.5 Reading/sec.	100V
81203	2 V		1 mV	1 M ohm		100V
81204	20 V		10 mV	1 M ohm		300V
81205	200 V		100 mV	1 M ohm		500V
* 81206	750 V		1 V	9 M ohm		1000V

*DPM-81206 frequency response limited to 1KHz

AC CURRENTS MODELS

Model	Range	Accuracy	Resolution	Input Impedance	Sample Rate	Overload Protection
81312	200 uA	±0.2% Rdg±1 digit	0.1 uA	1000 ohm	2.5 Reading/sec.	2.5 A
81313	2 mA		1 uA	100 ohm		2.5 A
81314	20 mA		10 uA	10 ohm		2.5 A
81315	200 mA		0.1 mA	1 ohm		2.5 A
81316	2 A		1 mA	0.1 ohm		3 A
* 81317	20 A	±0.5% Rdg±1 digit	10 mA	0.002 ohm		30 A

*DPM-81317 frequency response limited to 400Hz