



The DPM can be DIN rail mounted
Ask us how?

DPM-3232 - Heavy duty terminals included!

Features

- Model: DPM-3232 with internal shunt measures: 0-60A* and 0-60V.
- Model: DPM-3221 with external shunt measures: 0-50A*, 0-100A*, 0-200A* and 0-60V.
- The measured voltage range for both models is limited to 5-60V unless an external 5-60VDC power supply is used.
- Measures: Current, Voltage, Power (Watt) displayed continuously.
- Scrolling Display: Peak V, Peak I, Min. V (sag), Min. I, Watt-hour, Amp-hour and operational time since start up in hours: minutes: seconds.
- The scrolling display can be frozen at any of the above displays by momentary pressing the reset button. Press reset again to release.
- Connect to PC via optional Data Adapter (DPA-3051) for retrieval of logged data of Current and Voltage (up to 1500 data points) at 3 second to 3 minute interval and up to 20 sets of registered data groups. G2 version!
- DPM units may be mounted using a Snap-on Mounting Bracket (supplied) or magnetically held on a ferrous metal surface.

Description

These digital DC Power Meters measure; current, voltage, watts, and registers the max. and min. voltage and current, watt-hour, amp-hour and total run time. All this data is logged on the meter and can be uploaded to a PC via optional Data adapter and software. There are two models and both have the same features, performance specifications except in the area of current measurement. DPM-3232 has a built in shunt and max current measured is 60A. DPM-3221 is designed to use with commonly available external shunts (50mV). The max current measured depends on the shunt and can be 50A, 100A or 200A. Each power meter consumes 60mW at voltages from 5 to 60VDC. It accepts power from either the source or load side (i.e. the load could be a battery or capacitor for example). If an external DC source (5-60V) is used, the voltage range is extended to 0-60V.

Specifications

Models	DPM-3232 (with internal shunt)		DPM-3221 (for use with external shunt)		
Measured Parameters			50A / 50mV	100A / 50mV	200A / 50mV
*Current Range Amp. (A)	0~20A continuous, 30A max. for 30min. 60A max. for 5 sec. (repeatable 60 sec)		0~50A see shunt specs.	0~100A see shunt specs.	0~200A see shunt specs.
Voltage Range Volt. (V)	5~60V or 0~60V with external 5~60VDC source				
Power Watt (W)	0~3600W, 0.1W		Max. recorded W: 12,000W Resolution of W: 0.1W for W<10,000W 1W for W>10,000W		
Resolution of V and I	0.01V / 0.01A		0.01V / 0.01A	0.01V / 0.02A	0.01V / 0.05A
Scrolling Display of Registered Parameters					
Ampere Hour (Ah)	Max. recorded Ah: 99,999Ah Resolution of Ah: 0.01Ah for total recorded Ah <1,000Ah 0.1Ah for 10,000 > total recorded Ah > 1,000Ah 1Ah for total recorded Ah > 10,000Ah				
Peak Watt (Wp) registered	0~3600W , 0.1W resolution		Max. recorded W: 12,000W Resolution of W: 0.1W for W<10,000W 1W for W>10,000W		
Energy: Kilo Watt Hour (kWh)	0~9999.9kWh, 0.1kWh				
Registered Peak Voltage (Vp), Min. Voltage (Vm), Peak Current (Ap), Min. Current (Am)	New high and low values of voltage and current will replace the old values during the metering period and retained at the end of the metering period				
Accumulative Max. Operation Period logged	75 Hours (1500 samples at 3 minute interval)				
Scrolling speed on LCD display	3 seconds per parameter				
Data logging interval	Selectable from 3 seconds to 180 seconds (default 180 seconds)				
Operating Voltage and Current	5~ 60V, 12mA max.				
External DC Source Range	5~ 60V, 9~ 12mA				
Operating Conditions	0°C ~ 40°C, non-condensing humidity		0°C ~ 50°C, non-condensing humidity		
Storage Condition	-10°C ~ 60°C				
Construction					
LCD Display	Visual Area = 54mm x 14.4mm, 16 character x 2 row STN 5*8 dots				
Housing Material	Poly-carbonate				
Dimensions (LxWxD) & Weight	75 x 45 x 23mm 100g Approx.				
Supplied Accessories	User manual, 2 screw type connector blocks, snap-on mount and external power cable with plug.		Snap-on mount and external power cable with plug, phone cable with RJ-12 6P/4C plug, in-line RJ-12 coupler connector.		
Optional Accessories	DPA-3051 Data adapter module & software for data logging; External DC power box with socket (battery not included).		DPA-3051 Data adapter module & software for data logging; External shunt modules with RJ-12 plug and 5m long telephone cable.		
Approvals	CE EN61326 FCC				

■ All values are based on the standard ambient temperature 25°C and Pressure 0.1Mpa.