

Description

The DPM-5332/ 5321 is a versatile Bi-Directional Digital DC Power Meter featuring a large data bank with USB and Bluetooth interfaces for seamless data transfer to both PC and Mobile App. It measures current in both directions, making it ideal for managing battery banks by logging both discharging (negative) and charging (positive) currents. This bidirectional capability simplifies wiring and reduces the need for multiple meters.

Model Options

DPM-5332: Internal shunt measures 0-30A, 5-60V.
DPM-5321: External shunt (not supplied) measures 50A, 100A, or 200A/ 50mV.



Features

- Bidirectional Current Sensing: Efficiently captures both incoming and outgoing currents.
- Advanced Interfaces: Includes USB and Bluetooth for easy connectivity and wireless data management.
- Dynamic Display: Constantly shows current, voltage, and power with scrolling options for Max/Min Voltage and Current, Watt Hour, Amp Hour, and Total Operation Time.
- Customizable Logging: Adjustable intervals from 30 to 180 seconds, storing up to 3,600 data sets.
- Extensive Data Storage: Records up to 180 hours at 180-second intervals.
- Easy Data Download: Transfer data to a PC via USB or wirelessly with the smartphone app.
- Flexible Mounting: Come with a snap-on bracket or can be magnetically attached to iron surfaces.

Additional Features:

- Real-Time Clock: To show the actual time and record the date with time marking.
 - OLED Display: For clear and crisp data visualization.
- The DPM-5332/ 5321 is an indispensable tool for efficient power management and monitoring, providing comprehensive data solutions for your power systems.

Applications

The DPM-5332/ 5321 is ideal for a variety of power management applications, including:

- Battery Bank Management: Monitor charging and discharging currents in renewable energy systems.
- Automotive Testing: Analyze battery performance in vehicles.
- Solar Energy Systems: Track power generation and consumption.
- Industrial Equipment Monitoring: Measure power usage in machines and tools.
- Home Energy Management: Optimize energy consumption in smart home systems.
- These applications leverage the meter's bidirectional current sensing and extensive data-logging capabilities.

* All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Specifications

Models	DPM-5332	DPM-5321		
Measured Parameters				
Current Range Amp.	-20 to 20A continuous, -30 to 30A for 30min. (Negative indicate reversed current direction)	50A/ 50mV -50 to 50A	100A/ 50mV -100 to 100A	200A/ 50mV -200 to 200A
Voltage Range Volt.	5-60V or (0-60V with external DC source)			
Resolution	0.01V, 0.01A	0.01V, 0.01A	0.1V, 0.1A	
Scrolling Display of Registered Parameters				
Ampere Hour (Ah)	Max. recorded Ah: 99,999Ah			
Total Ah Stored	Ah < 1,000	1,000 < Ah < 10,000	Ah > 10,000	
Resolution of Ah	0.01Ah	0.1Ah	1Ah	
Peak Watt (Wp) registered	Maximum recorded W: 3600W Resolution of W: 0.1W	Maximum recorded W: 12,000W Resolution of W: 0.1W for W<10,000W 1W for W>10,000W		
Energy: Kilo Watt Hour (KWH)	0-9999.9 kWh, 0.1kWh			
Registered Peak Voltage (Vp), Min. Voltage (Vm), Peak forward Current (Ap), Peak backward Current (-Ap)	The new high and low values of voltage, highest forward and backward values of current will replace the old ones during the metering period and registered at the finish of the metering period.			
Accumulative Max. Operation Period Logged	180 Hours			
Scrolling Speed on LCD	3sec. for one parameter			
Data Logging Interval	Selectable from 30sec. to 180sec. (default 180sec.)			
Operation Voltage and Current	5-60V and 15mA (non bluetooth model) ; 5-60V and 35mA (bluetooth model)			
Operation Condition	0-40°C			
Storage Condition	-10°C to +60°C			
Construction				
Display	1.3 inches OLED			
Housing Material	Poly-carbonate			
Dimension & Weight	75(L) x 45(W) x 23(D) mm / 3.0(L) x 1.8(W) x 0.9(D) inch ; 100 g / 3.5 oz			
Supplied Accessories	2 screw-on type connector blocks, snap-on mounter		2 screw-on type connector blocks, snap-on mounter, inline coupler connector	
Approvals	CE EN 61326			

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