

The OWON logo, featuring the word "OWON" in a bold, orange, sans-serif font with a registered trademark symbol (®) to the right.

XDM6000 Series

6 1/2 Digit Bench-type Digital Multimeter

- **True 6½-digit High Resolution**, delivers up to **2,200,000 counts** for precise and reliable measurements.
- Wide measurement range up to **3000V / 300A**, meets the special requirements of photovoltaic, energy storage, and new energy vehicle testing.
- High-speed measurement up to **10,000 rdgs/s**, greatly improves testing efficiency.
- Comprehensive **math functions**, include Max, Min, Average, Standard Deviation, Relative Measurement, Bar Graph, Histogram, Trend Chart, dB/dBm, Limit test, and more; perform data analysis directly on the instrument without extra software.
- **Built-in thermocouple cold junction compensation**, no need for external compensation hardware, saving accessory costs and improving temperature measurement accuracy.
- **Data Logger Function**: records all measurement values in CSV format, with a fastest logging interval of 1ms, 2M points capacity, and expandable to 100M points via USB drive.
- **2 Gb NAND Flash Storage**, stores large amounts of instrument setup files and data files.
- Multiple Interfaces: USB Device / Host, LAN, RS-232; supports standard SCPI commands for easy integration into automated test systems.
- **4.3-inch** high-resolution **touchscreen**, intuitive operation and graphical display allow engineers to get started faster, reduce operation time, and enhance visualization experience.

Specifications XDM6061, XDM6061-H

Function	Range	Temperature Coefficient Accuracy Specification: $\pm(\% \text{Reading} + \% \text{FS})$
DC Voltage	200.000mV – 1000.000V (XDM6061) 200.000mV – 3000.000V (XDM6061-H)	0.0035 \pm 0.0006
AC Voltage (True RMS)	200.0000mV - 750.0000V	0.06+0.04
DC Current	200.0000 μ A - 10.00000A (XDM6061) 200.0000 μ A - 300.00000A (XDM6061-H)	0.050+0.003
AC Current (True RMS)	200.0000 μ A - 10.00000A	0.10+0.04
Resistance	200.0000 Ω - 100.0000M Ω	0.010+0.001
Diode Test	0 - 5V	0.010+0.020
Continuity Test	2000.0 Ω	0.010+0.020
Frequency / Period	3Hz - 1MHz	0.007
Capacitance	2.0000nF - 100.00mF	1 + 0.3
Temperature	thermocouple (ITS-90 conversion between B / E / J / K / N / R / S / T type) thermal resistance (RTD sensor conversion between Pt100 and Pt385 type) 2-wire and 4-wire thermistors (5 k Ω 44007 type)	
Mathematical Functions	Min, Max, Avg, Std Dev, dBm, dB, Limit, Relative, Histogram, Trend Chart, Bar Chart	
Trigger	External Trigger, VMC out	
Data-logger Function		
Logging Duration		1ms-1000s
Logging Length		2M points (Internal memory)
General		
Dimension (W x H x D)		346mm x 260 mm x 107 mm
Weight		3.4kg (without package)

Specifications subject to change without prior notice.

Accessories

The accessories subject to final delivery.



Power Cord



Manual



USB Cable



Multimeter Lead



Alligator Clip



Kelvin Clip (optional)