

Digital Multimeter

◆ Product Description

A digital multimeter is a high-precision, multi-purpose electronic measuring instrument that intuitively displays measurement results on a digital screen. Compared with traditional analog multimeters, it boasts advantages such as clear reading, accurate measurement, rich functions and easy operation. Widely used in scenarios like electronic R&D, equipment maintenance, industrial testing and household circuit troubleshooting, it is an indispensable measuring tool in the electronic field.



- Integrated Multi-range & Multi-function
- High Precision & High Resolution Readings
- Intelligent Protection for Safe and Reliable Use
- User-friendly & Easy-to-operate Design
- Strong Anti-interference for Complex Measurement Scenarios

◆ Product Structure

- Digital Multimeter: Modular Integrated Structure (5 Core Modules)
 - Input Interface: 3 terminals (COM, V Ω mA, high-current) with misplug protection
 - Function Control: Damped selector knob; shortcut keys (optional)
 - Core Measurement: High-precision A/D converter & MCU for analog-to-digital conversion
 - Display Output: Standard backlit LCD; optional anti-interference LED (industrial models)
 - Power Supply: 9V battery (low-battery reminder, auto-shutdown); external DC power (premium benchtops)

◆ Typical Applications

- Boasting the features of multiple ranges, high precision and easy operation, digital multimeters are widely used in scenarios including electronic R&D and laboratory testing, home appliance and electronic device repair, industrial equipment maintenance and production line testing, household circuit troubleshooting, as well as electronic DIY and maker projects. Specifically: benchtop high-precision models meet the needs of precision circuit testing and data acquisition; handheld portable models are suitable for home appliance repair and DIY projects by electronics enthusiasts; industrial explosion-proof models can test equipment parameters in flammable and explosive environments such as petrochemical and mining industries; entry-level models help household users troubleshoot circuit safety hazards.

◆ Typical Product Data and Physical Properties

Specification Item Handheld Portable (Basic Model) Handheld Industrial Model

Measurement Functions AC/DC voltage/current, resistance, capacitance, diode continuity test Basic functions + temperature, frequency, duty cycle

Voltage Range DC: 0~1000V; AC: 0~750VDC: 0~1000V; AC: 0~1000V

Current Range DC/AC: 0~20A DC/AC: 0~20A (with surge protection)

Resistance Range 0~200M Ω 0~200M Ω

Capacitance Range 0~200 μ F 0~1000 μ F

Display Size 2.0-inch LCD 2.4-inch LCD (enhanced backlight)

Availability:

Item#	Weight	Packing
1.5.07.09.0010	1KG	1 unit/carton

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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