

## Multimeter

### ◆ Product Description

A digital multimeter is a portable electronic measuring instrument that integrates multi-parameter measurement, high-precision reading, and intelligent protection. With its modular structural design and user-friendly operation functions, it has become an indispensable tool for electronic R&D, equipment maintenance, industrial testing, household circuit troubleshooting, and maker projects.

- Integrated Multi-parameter Measurement
- High Precision & High Resolution Readings
- Intelligent Protection for Safety and Durability
- User-friendly & Effortless Operation
- Strong Anti-interference for Complex Working Conditions

### ◆ Product Structure

A digital multimeter adopts a modular integrated design and consists of five major modules: input interface, function control, core measurement, display output, and power supply. Specifically, the input interface is equipped with gold-plated brass terminals featuring misplug protection; the function control module is centered on a damped selector knob; the core measurement module relies on a high-precision A/D converter and MCU chip to achieve accurate signal conversion; the display output module mainly adopts a backlit LCD screen, with an anti-interference LED screen available as an option for industrial-grade models; and the power supply is provided in two schemes—9V battery power for handheld models (supporting auto-shutdown) and external DC power supply for benchtop models.

### ◆ Typical Applications

- Boasting the features of multiple ranges, high precision and robust protection, digital multimeters cover five core application scenarios including electronic R&D, equipment maintenance, industrial testing, household maintenance and maker projects, and are suitable for the measurement needs of different users.



### ◆ Typical Product Data and Physical Properties

**Handheld Device Casing** ABS engineering plastic + non-slip rubber coating  
**Input Test Terminals** Gold-plated brass contacts  
**Internal Core Components** High-precision A/D converter, MCU chip, metal film resistor, ceramic capacitor  
**Test Probes** Shaft: PVC insulating material  
**Tip:** Nickel-plated copper alloy  
**Protection Rating** IP30

### Availability:

Item#	Weight	Packing
1.5.07.09.0007	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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