

Handheld Digital Multimeter

OW18E



- + 4 1/2 bit resolution
- + Data Logger + Multimeter + Thermometer
- + True RMS test supported
- + BLE 4.0 wireless transmission, more stable, less power consumption (only for OW18E)
- + Build-in offline record function
- + Chart and Diagram mode helps to analyze the data tendency
- + Flashlight function lightens the darkness
- + Support NCV non-contact voltage sense
- + Widely supported on Android, iOS, windows



+ Performance Specifications

| | Measurement Range | Accuracy |
|-------------------------|--|-----------------|
| DC Voltage | 20.000mV/200.00mV | ±(0.05%+10 dig) |
| | 2.0000V/20.000V/200.00V | ±(0.1%+2 dig) |
| | 1000.0V | ±(0.15%+5 dig) |
| AC Voltage | 20.000mV/200.00mV | ±(0.5%+10dig) |
| | 2.0000V/20.000V/200.00V | ±(0.8%+10dig) |
| | 750.00V | ±(0.8%+10dig) |
| DC Current | 200.00uA | ±(0.5%+10dig) |
| | 2.0000mA/20.000mA/200.00mA | ±(2.0%+10dig) |
| | 20.000A | ±(2.0%+10dig) |
| AC Current | 200.00uA | ±(0.8%+10dig) |
| | 2.0000mA/20.000mA/200.00mA | ±(2.5%+10dig) |
| | 20.000A | ±(2.5%+10dig) |
| Resistance (Ω) | 200.00Ω | ±(0.5%+10dig) |
| | 2.0000kΩ/ | ±(0.3%+3dig) |
| | 20.000kΩ/200.00kΩ/2.0000MΩ | ±(0.3%+1dig) |
| | 20.000MΩ | ±(0.5%+1dig) |
| | 200.00MΩ | ±(5.0%+10dig) |
| Capacitance (F) | 2.0000nF/20.000nF/200.00nF/2.0000μF/20.000μF | ±(3.0%+10dig) |
| | 200.00μF/2.0000mF/20.000mF | |
| | | |
| Frequency (Hz) | 200.00Hz/2.0000kHz | ±(0.1%+4dig) |
| | 20.000kHz/200.00kHz/2.0000MHz/20.000MHz | |
| Duty Ratio | 0.1%~99.9%(typical value : Vrms=1V,f=1kHz) | ±(1.2%+3dig) |
| | 0.1%~99.9%(≥1kHz) | ±(2.5%+3dig) |
| Temperature (°C/°F) | - 50 °C~400°C(0.1°C) | ±(1.0%+3°C) |
| | -58 °F ~ 752 °F(0.1°F) | ±(1.2%+6°F) |
| Display | 19999 | |
| Frequency Response | (40 - 1000) Hz | |
| Sample rate for digital | 3 times/second | |

| | | | |
|-----------------------|-------|----------------------------------|--------------------------|
| Bluetooth Module | OW18E | Auto Ranging | √ |
| True RMS | √ | LCD Backlight | √ |
| Diode Test | √ | Automatic-manual Range Selection | √ |
| Auto Power-off | √ | Input Protection | √ |
| On-off Warning | √ | Input Impedance | ≥10MΩ |
| Low-battery Indicator | √ | Safety Compliance | 600V CATIV, 1000V CATIII |
| Data Hold | √ | NCV | √ |
| Relative Measurement | √ | Dimension (W×H×D) | 190 x 90 x56 (mm) |
| Flashlight | √ - | Weight (without package) | 0.32 kg |

+ Application

electronic circuit debugging
education and training

circuit testing
automobile maintenance and testing

design and manufacture



+ Accessories

The accessories subject to final delivery.



Multimeter
Lead



K-type
Thermocouple



Manual



Alligator Clip
(optional)



Alligator Clip
(optional)

Mobile app accessible via
scanning QR code