

Performance Specifications

	Measurement Range	Resolution	Accuracy
DC Voltage	600.0mV/6.000V/60.00V/600.0V	0.01mV	±(0.5%+2dig)
	1000V	1V	±(0.8%+2dig)
AC Voltage	600.0mV/6.000V/60.00V/600.0V	0.1mV	±(0.8%+3dig)
	750V	1V	±(1%+3dig)
DC Current	μA 60.00μA/600.0μA	0.01μA	±(0.8%+2dig)
	mA 60.00mA/600.0mA	0.01mA	±(0.8%+2dig)
	A 10.00A	0.01A	±(1.2%+3dig)
AC Current	μA 60.00μA/600.0μA	0.01μA	±(1%+3dig)
	mA 60.00mA/600.0mA	0.01mA	±(1%+3dig)
	A 10.00A	0.01A	±(1.5%+3dig)
Resistance	600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ	0.1Ω	±(0.8%+2dig)
	60.00MΩ	0.01MΩ	±(2%+3dig)
Capacitance	60.00nF/600.0nF/6.000μF/60.00μF	0.01nF	±(2.5%+3dig)
	600.0μF/6.000mF/60.00mF	0.1μF	±(3%+5dig)
Frequency	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/99.9kHz/9.999MHz	0.001Hz	±(0.8%+2dig)
Duty Ratio	0.1%~99.9% (typical value: Vrms=1V, f=1kHz)	0.1%	±(1.2%+3dig)
	0.1%~99.9% (≥1kHz)		±(2.5%+3dig)
Temperature	-50°C~+400°C	1°C	±(2.5%+3dig)
	-58°F~+752°F	1°F	±(4.5%+5dig)
Display	5999		
Frequency	(40-1000)Hz		
Shift Rate on DMM	3 times / s		

Bluetooth Module	√ (only in OW16B)	Auto-scale	√
True RMS	√	LCD Backlight	√
Diode Test	√	Automatic-manual Range Selection	√
Audion Test	√	Input Protection	√
Auto Power-off	√	Input Impedance	≥10MΩ
On-off Warning	√	Safety Compliance	600V CATIII, 1000V CATII
Low-battery Indicator	√	NCV	√
Data Hold	√	Dimension (W×H×D)	154 x 73.5 x 50(mm)
Relative Measurement	√	Weight (without package)	0.20 kg

Specifications subject to change without prior notice.

Accessories

The accessories subject to final delivery.



Multimeter Lead



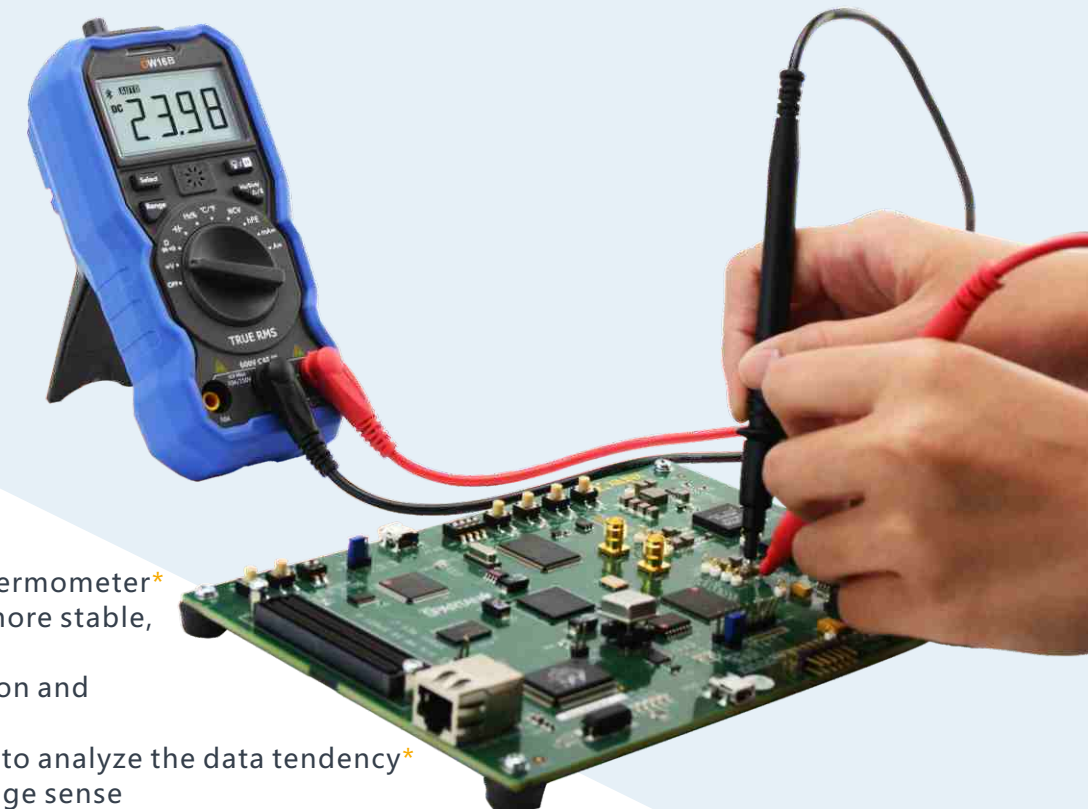
K-type Thermocouple



Manual



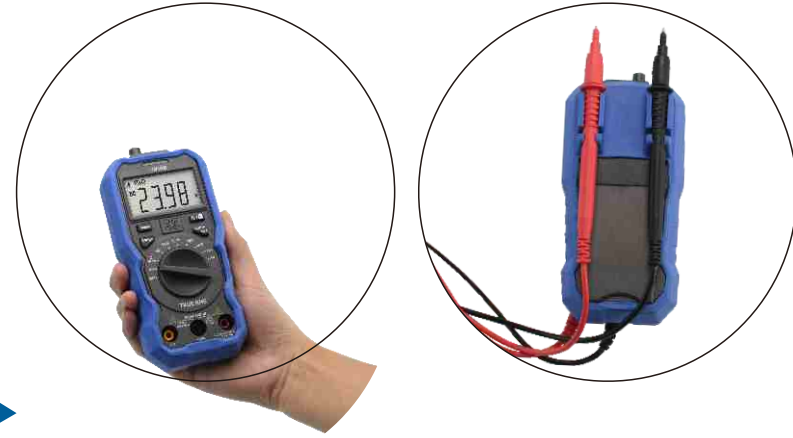
Alligator Clip (optional)



- + 3 5/6 digit resolution
- + Data Logger + Multimeter + Thermometer*
- + BLE 4.0 wireless transmission, more stable, less power consumption*
- + Support multi-devices connection and single-display monitoring*
- + Chart and Diagram mode helps to analyze the data tendency*
- + Support NCV non-contact voltage sense
- + Auto scale and True RMS test supported
- + Voice broadcast secures the test*
- + Build-in offline record function supports non-stop upto 7 days non-stop recording*
- + Support audion test
- + Widely supported on Android, iOS and Windows (needs optional Bluetooth adaptor) system.*
- + Easy to carry out with small body.

* Only in OW16B





Portable design for easy carry



◀ **NCV non-contact voltage sense**

While getting the non-contact voltage sensor close to conductor, the instrument will beeps and flash with the frequency according to AC voltage strength.



Support triode and temperature test

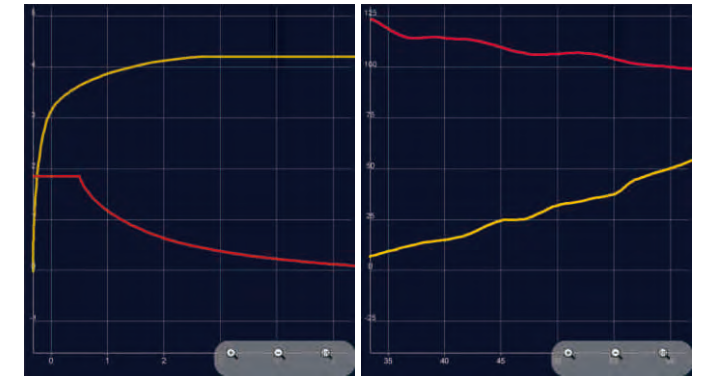
◀ **BLE 4.0 wireless transmission, support multi-devices connection and single-display monitoring**

One mobile end can connect with multiple B35 multimeters, the test object is totally isolated with user to secure their life.

Not only a multimeter, also a data logger and thermometer.

Real time data are updated and recorded to end user device, no need to be in field. User can define the record time and sampling gap, data can be shown as chart and diagram, multi-devices connection supports data comparison.

User and test object are totally isolated, which secure the life



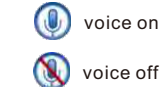
— current at input — voltage at input — current — temperature
the experiments upon the change of current and voltage when charging Li-ion battery
the experiments upon the current change of components under different temperature



Voice broadcast secures the test



After installing the TTS voice pack on smartphone, the app supports voice broadcast. User can focus on wire connection without watching the display value. This assure the connection safety.



Build-in offline record function

No need to put the end device in field, multimeter will save the data in its memory. Use the smartphone to load the data when connected.

No.	Func	Value	Unit
19	DCmV	320.1	mV
20	DCmV	292.2	mV
21			
22			
23			
24			
25			
26			
27			



Widely supported on Android, iOS, and Windows (needs optional Bluetooth adaptor) system.

OW18D/E Multi in one multimeter

	OW18D/E 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	
	750.00V	±(0.8%+10dig)
DC Current	200.00uA	±(0.5%+10dig)
	2.0000mA/20.000mA/200.00mA	
	20.000A	±(2.0%+10dig)
AC Current	200.00uA	±(0.8%+10dig)
	2.0000mA/20.000mA/200.00mA	
	20.000A	±(2.5%+10dig)
Resistance	200.00Ω	±(0.5%+10dig)
	2.0000kΩ	±(0.3%+3dig)
	20.000kΩ/200.00kΩ/2.0000MΩ	±(0.3%+1dig)
	20.000MΩ	±(0.5%+1dig)
Capacitance	200.00MΩ	±(5.0%+10dig)
	2.0000nF/20.000nF/200.00nF/2.0000μ/20.000μ 200.00μ/2.0000mF/20.000mF	±(3.0%+10dig)
Frequency	200.00Hz/2.0000kHz 20.000kHz/200.00kHz/2.0000MHz/20.000MHz	±(0.1%+4dig)
Duty Ratio	0.1%~99.9%(typical value: rms=1V,f=1kHz)	±(1.2%+3dig)
	0.1%~99.9%(≥kHz)	±(2.5%+3dig)
Temperature	- 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	3 times/second	

Special Function

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

Specifications subject to change without prior notice.

Bluetooth Digital Multimeter



- + function as 3 in 1 : datalogger + multimeter + temperature meter
- + multi-connection (more than one device) supported via mobile app
- + the change trend analysis accessible via special chart mode
- + voice warning supported, which assures measurement safety
- + smart voice-reading accessible
- + 4000 / 6000 / 22000 - count full scale reading
- + larger display, easier data-reading; simulated bar chart
- + offline recording function (only in B33+, B35+, B35T+, and B41T+)
- + true RMS value available (only in D35T, B35T, B35T+, and B41T+)
- + Bluetooth 4.0 version - supports mobile device with Android 4.3 or above / iOS 7.0 or above OS, and equipped with ble 4.0 module



functioning as multimeter + datalogger

the measured data always updated, and auto- recorded to mobile device, saving labor to do on-site records; the recording duration, and sampling duration could be customized, accessible in chart mode, facilitating comparison analysis between several multimeters



remote control supported

the function activated after TTS voice pack installed, which frees the eye-watch, making on-site measurement more comfortable



data- saving, recalling, and comparatively analyzing

CSV format data export supported, the history data could be recalled for comparison analysis; with the assistance of chart mode, the measured result more visualized, easier for decision- making

