

Performance Specifications

	Measurement Range	Resolution	Accuracy
DC Voltage	60.00mV/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%+2dig)
	750V	1V	±(1%+3dig)
DC Current	μA 60.00uA/600.0uA	0.01μA	±(0.8%+2dig)
	mA 60.00mA/600.0mA	0.01mA	±(0.8%+2dig)
	A 20.00A	0.01A	±(1.2%+3dig)
AC Current	μA 60.00uA/600.0uA	0.1μA	±(1%+3dig)
	mA 60.00mA/600.0mA	0.01mA	±(1%+3dig)
	A 20.00A	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%+2dig)
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 OW18B)	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 CATVI, 1000V CATIII
Low-battery Indicator	√	NCV	√
Data Hold	√	Dimension (W×H×D)	196 x 88.5 x56 (mm)
Relative Measurement	√	Weight (without package)	0.30 kg
Flashlight	√		

Specifications subject to change without prior notice.

Accessories

The accessories subject to final delivery.



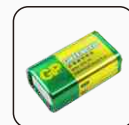
Multimeter Lead



K-type Thermocouple



Manual



9V Battery



Alligator Clip (optional)



mobile app accessible via scanning QR code

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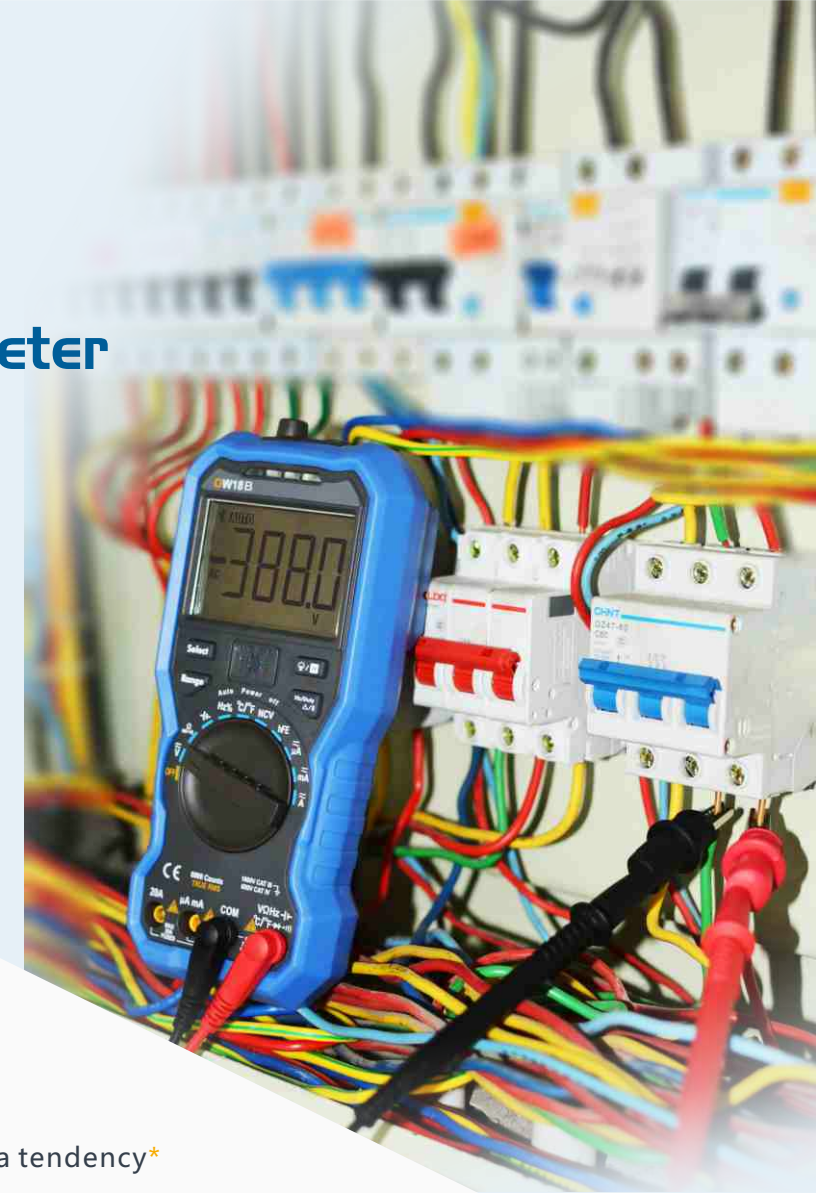
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owon®
+ Meeting your needs

Bluetooth Digital Multimeter OW18A/OW18B



- + 3 5/6 bit 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*
- + Flashlight function lightens the darkness
- + Support NCV non-contact voltage sense
- + True RMS test supported
- + Voice broadcast secures the test*
- + Build-in offline record function supports non-stop up to 7 days non-stop recording*
- + Support audion test
- + Widely supported on Android, iOS and Windows*

* only for OW18B



Bluetooth Digital Multimeter OW18A/OW18B

Large display with flashlight

Large display with high brightness flashlight. Can implement the test among darkness.

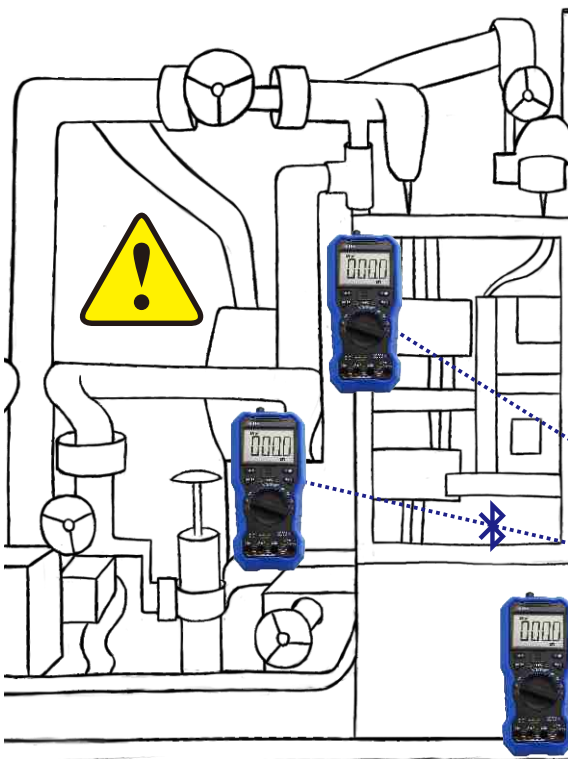


NCV non-contact voltage sense

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

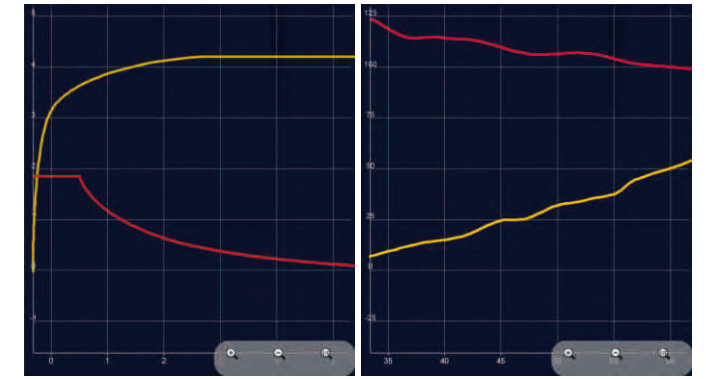
One mobile end can connect with multiple multimeters, the test object is totally isolated with user to secure their life.



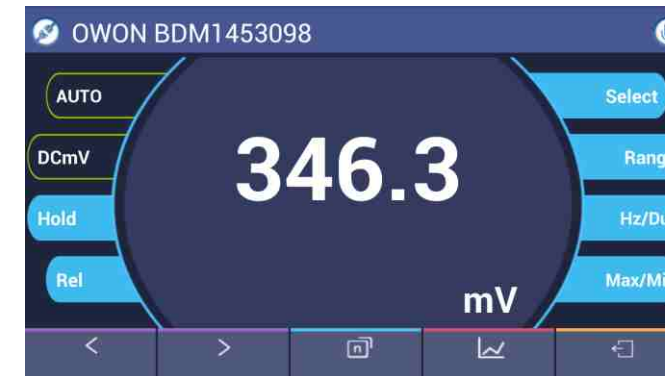
Not only a multimeter, also a data logger and thermometer.

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

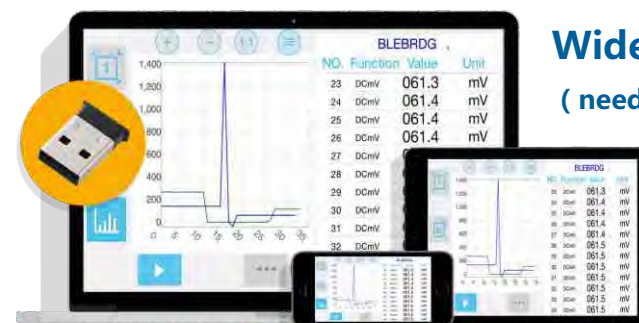


After installing the TTS voice pack on smartphone, the app supports voice broadcast. User can focus on wire connection without watching the display value. This assure the connection safety.

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.