

### 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	√		

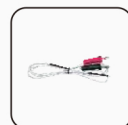
Specifications subject to change without prior notice.

### Accessories

The accessories subject to final delivery.



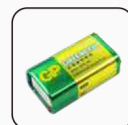
Multimeter Lead



K-type Thermocouple



Manual



9V Battery



Alligator Clip (optional)

**owon**<sup>®</sup>  
+ 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 upto 7 days non-stop recording\*
- + Support audion test
- + Widely supported on Android, iOS and Windows\*

\* only for OW18B



+982165565901

+982144584619

+989034119385

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Bluetooth Digital Multimeter OW18A/OW18B

Large display with flashlight

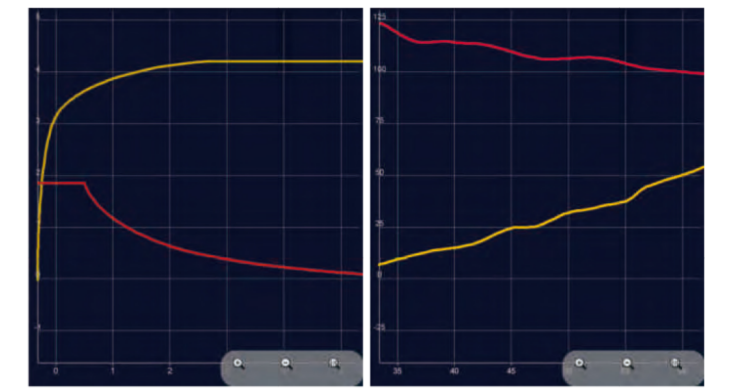
Large display with high brightness flashlight. Can implement the test among darkness.



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



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.

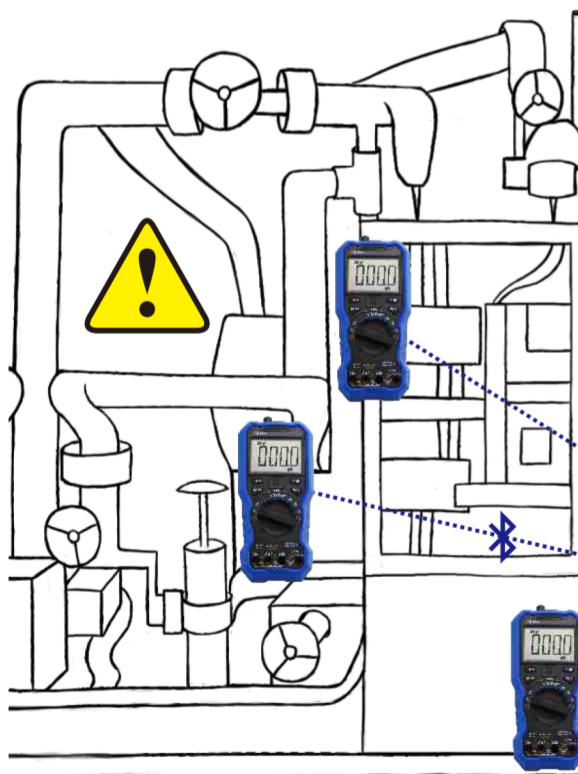


Voice broadcast secures the test



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.

Support triode and temperature test



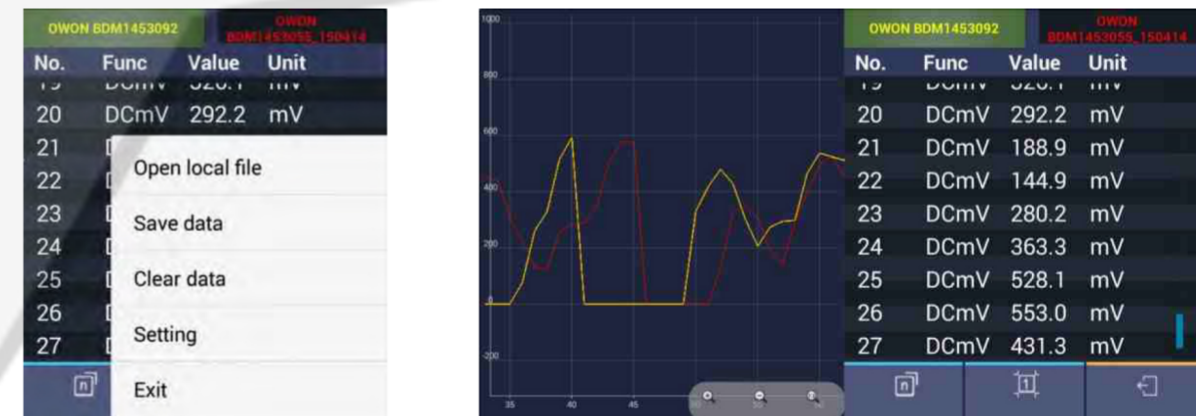
BLE 4.0 wireless transmission, support multi-devices connection and single-display monitoring

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



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.



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



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