

owon[®]

Mini Clamp Meter
CM2000 Series



**HIGH
PRECISION**

20000

Counts

**AUTO RANGE
AC/DC**

V \approx

AC/DC
Voltage
Measure

A \approx

AC/DC
Current
Measure

MULTIPLE MEASUREMENT FUNCTIONS



Resistance



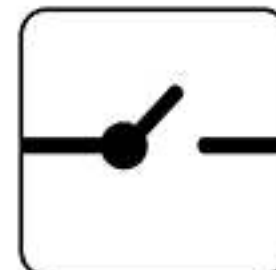
NCV



VFC



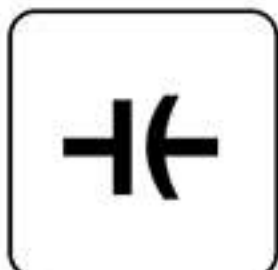
HOLD



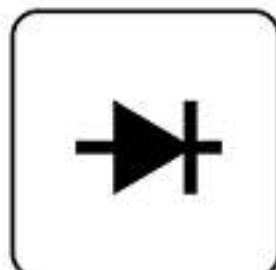
ON/OFF



LCD



Capacitance



Diode



Overload
Protection



Low Battery
Alert



Buzzing
Prompt



True RMS

AC/DC INTEGRATED

Suitable for AC/DC Voltage/Current measurement

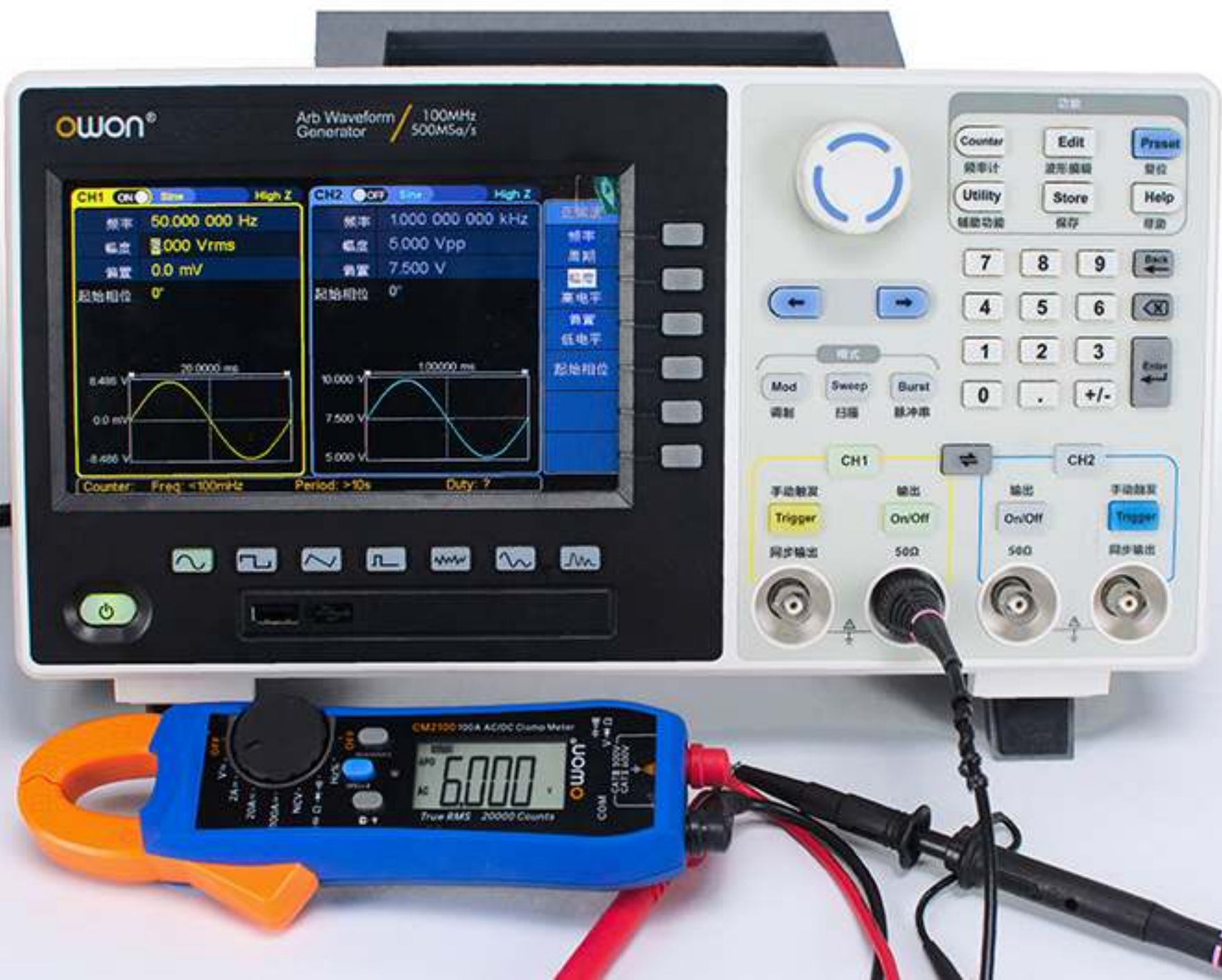


BLE bluetooth connection, data can be viewed and controlled remotely (CM2100B)

High precision induction clamp head, accurately induct the small current

True RMS - More accurate measurement

Accurately measure the effective values of various waveform in real time, no need to consider waveform parameters and distortion. It can accurately measure/process the AC current/voltage of sine wave signal during the troubleshooting or performance testing and analysis of power system.



HIGH PRECISION AND RAPID DETECTION

AC/DC Voltage: 600V AC/DC Current: 100A

Automatic measurement, Max display **20000Counts**



Capacitance measurement
maintenance tool



NCV - Inductive measurement of
non-contact voltage



Circuit board resistance
measurement



Diode measurement

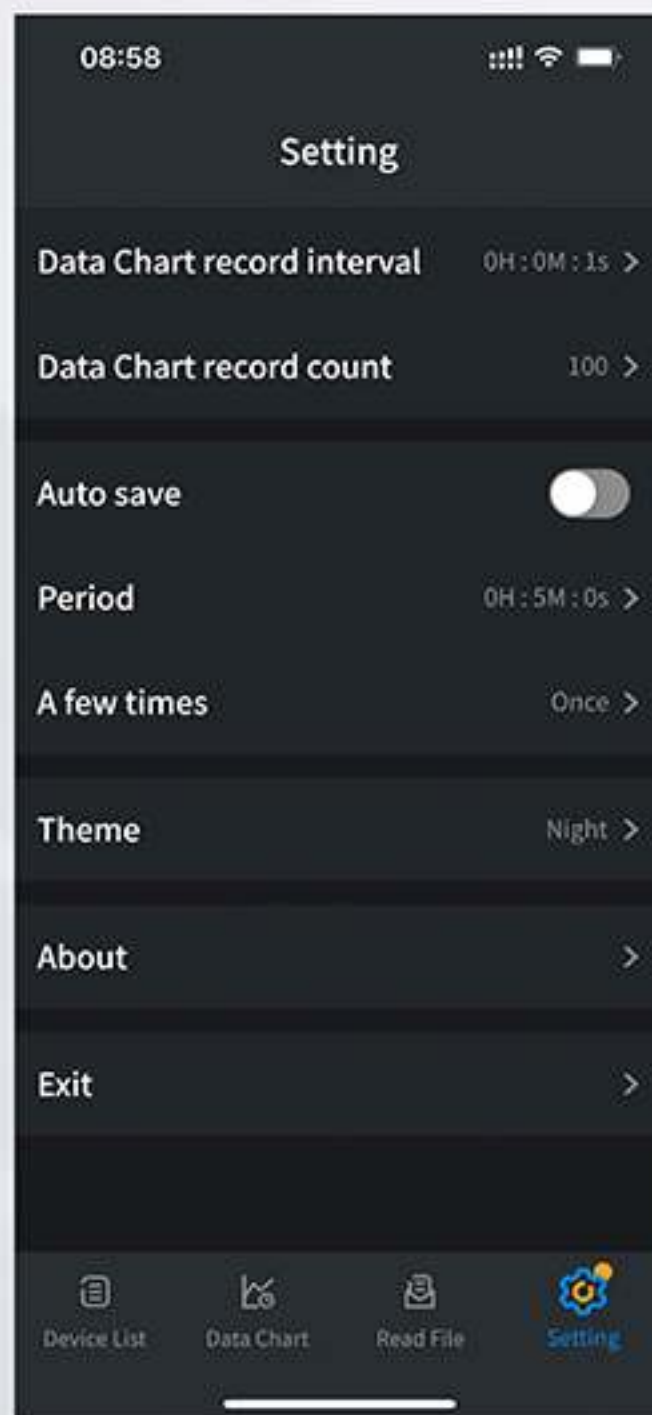
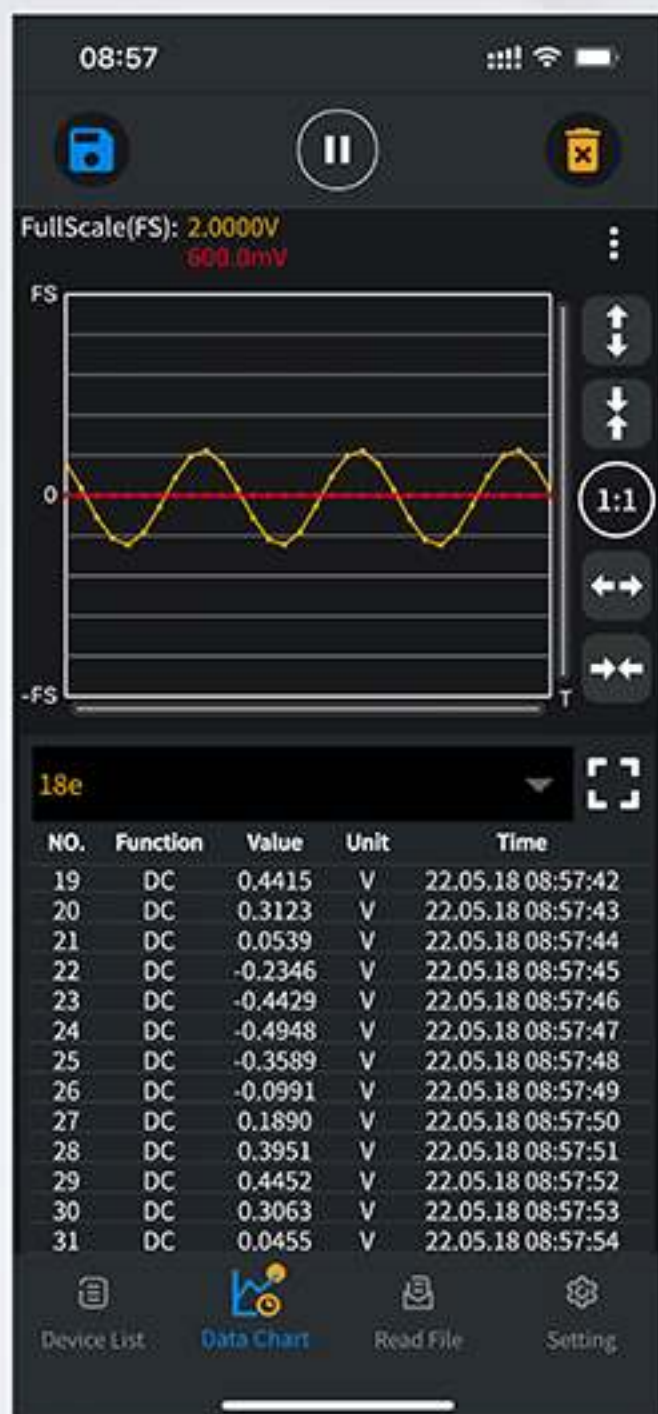
CM2100B



Meets your different needs.

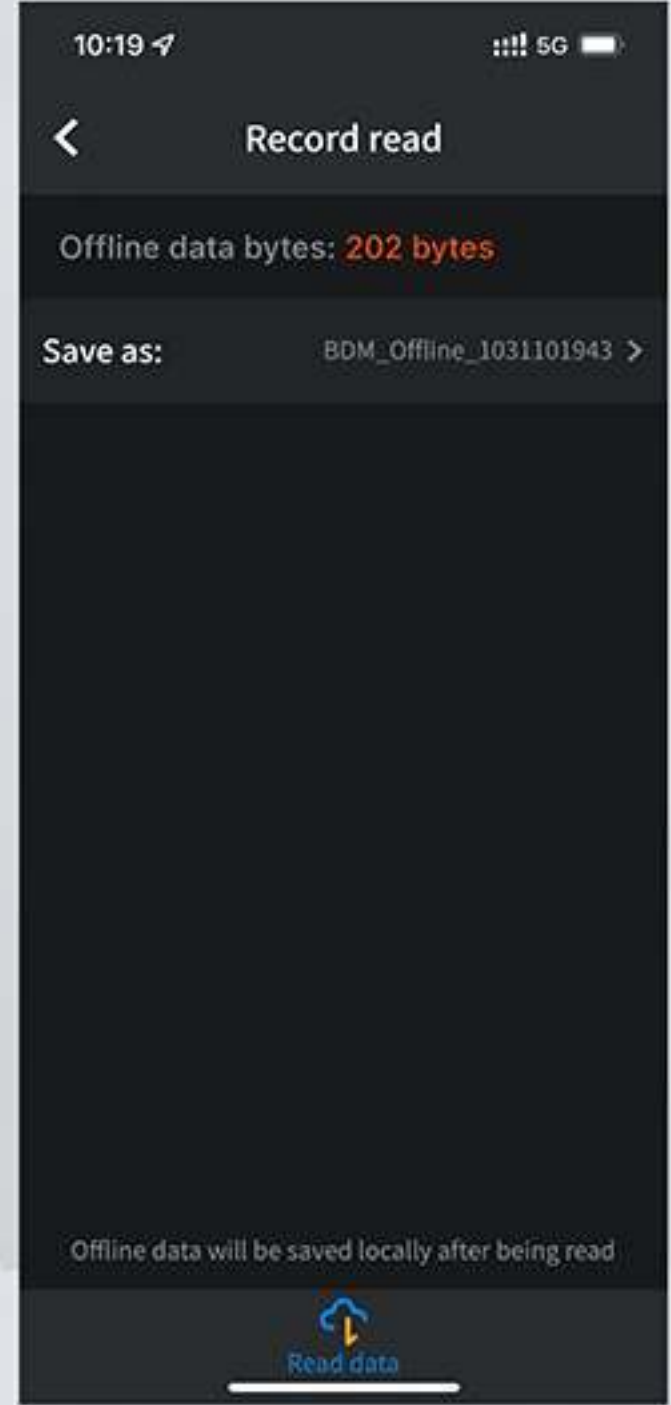
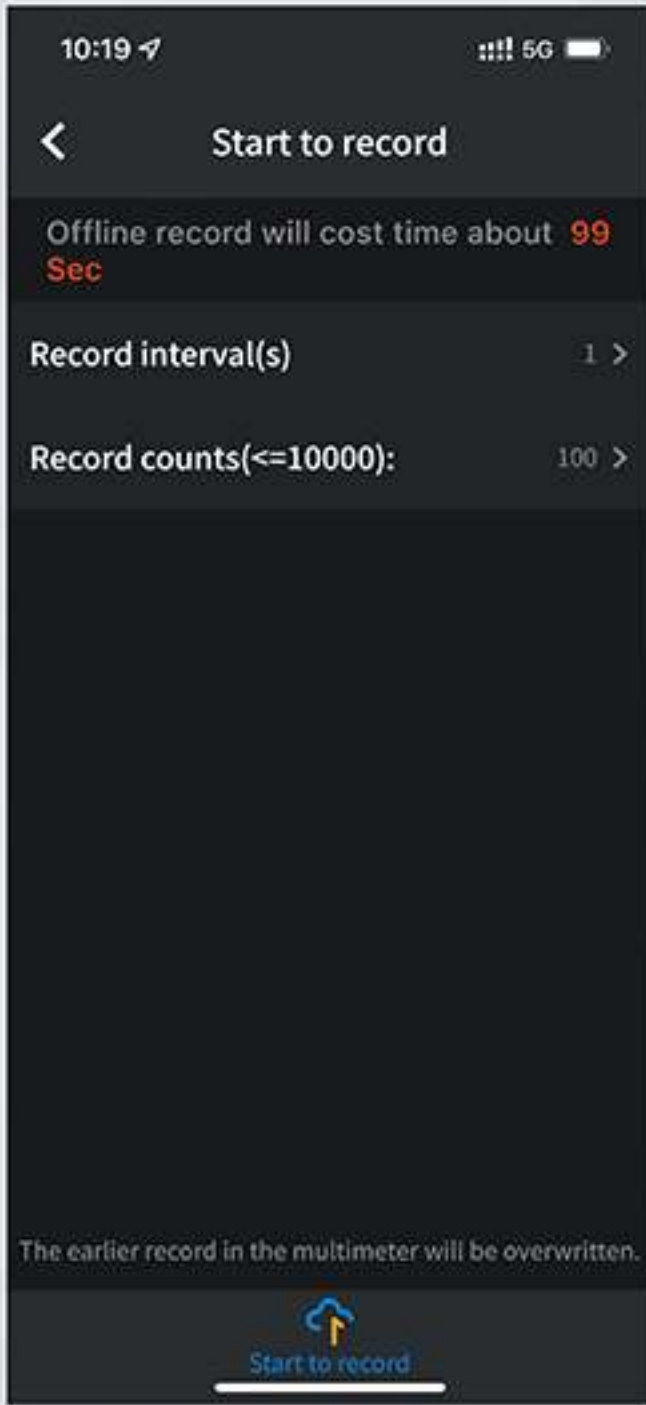
Recorder Function

Automatically record the measured value of the monitoring object according to the user setting, and display it in icon mode to see the change trend at a glance. At the same time, the recorded data (CSV File) can be shared to the computer for further analysis.



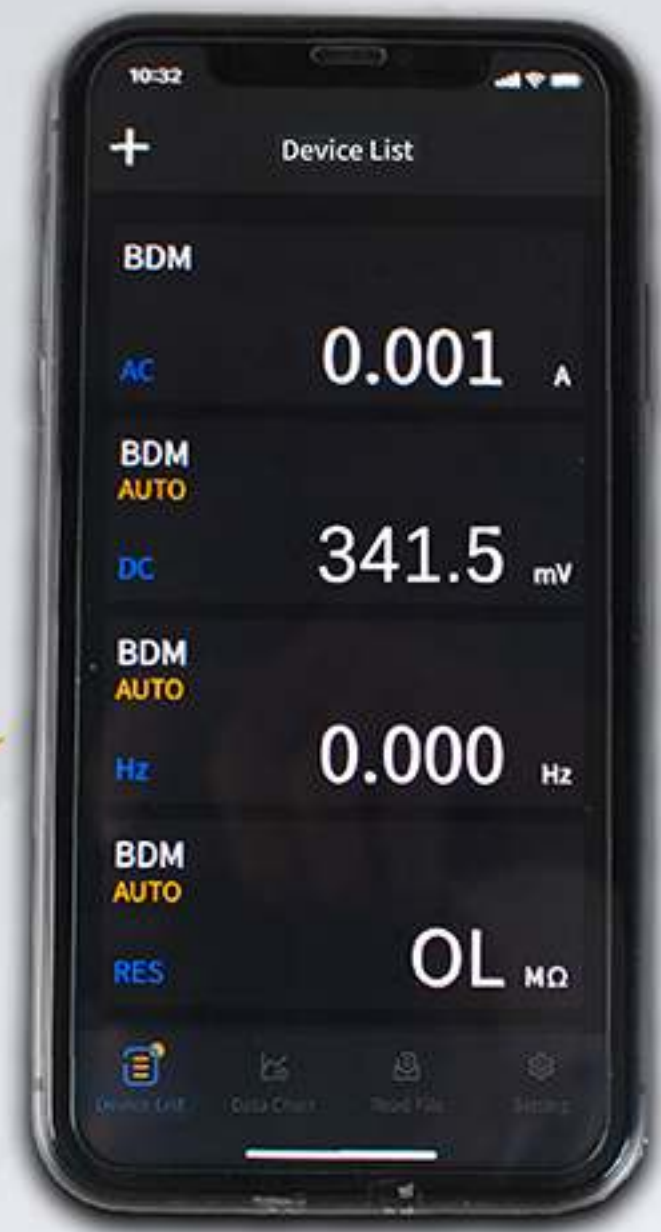
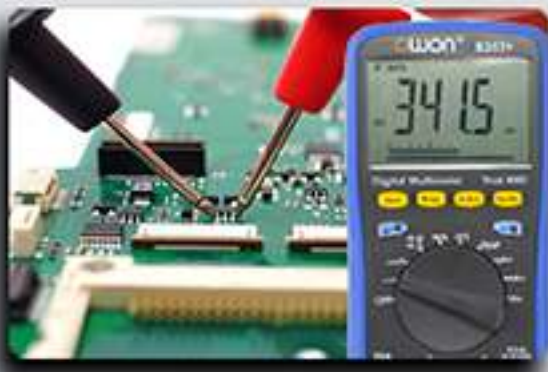
Offline Storage Function

- 1 Setup the sampling interval (1s to 42s) and the number of recorded points (0 to 100 points), when the clamp meter is disconnected from the phone, the internal chip-set will automatically save the data.
- 2 After recorded, to analyzing the data, just need to use the mobile APP to read the data in the table.



Comparative Analysis of Different Instruments

Use the same APP to connect different meters, except the clamp meter, OW Series & B Series multimeter are also available to be connected. You can comparative analysis these different instrument measurement parameters.



Alarm Function

 Threshold alarm function open



Upper limit, lower limit or interval value can be set.





When the measured value is below or above the set value, or within/outside the range, the phone interface will turn red and sound an alarm.

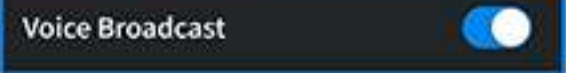
Voice Broadcasting Function

Instead of looking at the screen, focus on testing the correct connection of the wire to make the measurement safer.



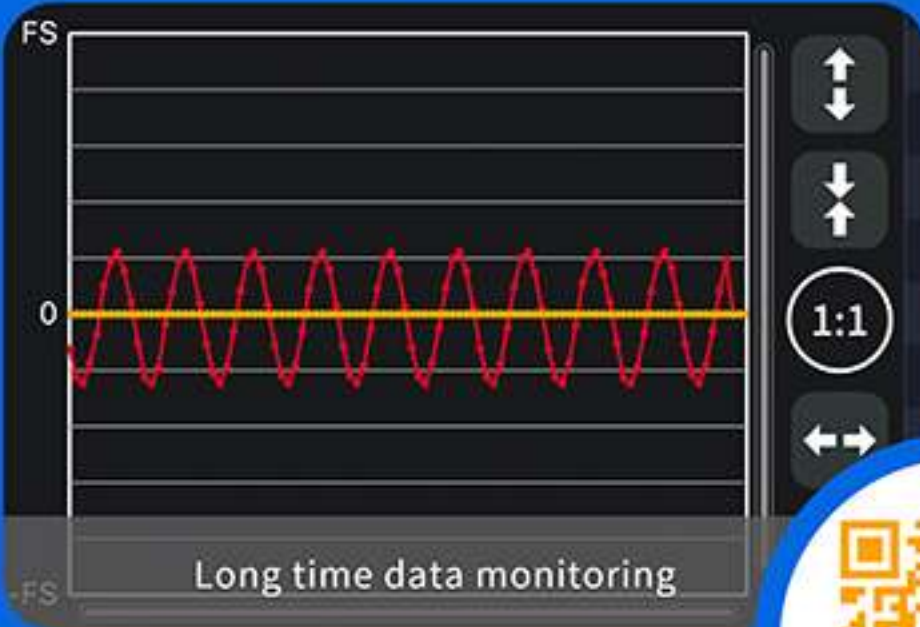
 Voice Open

 Voice Close



Voice Broadcasting Setup

Bluetooth Meter + iMETER Application

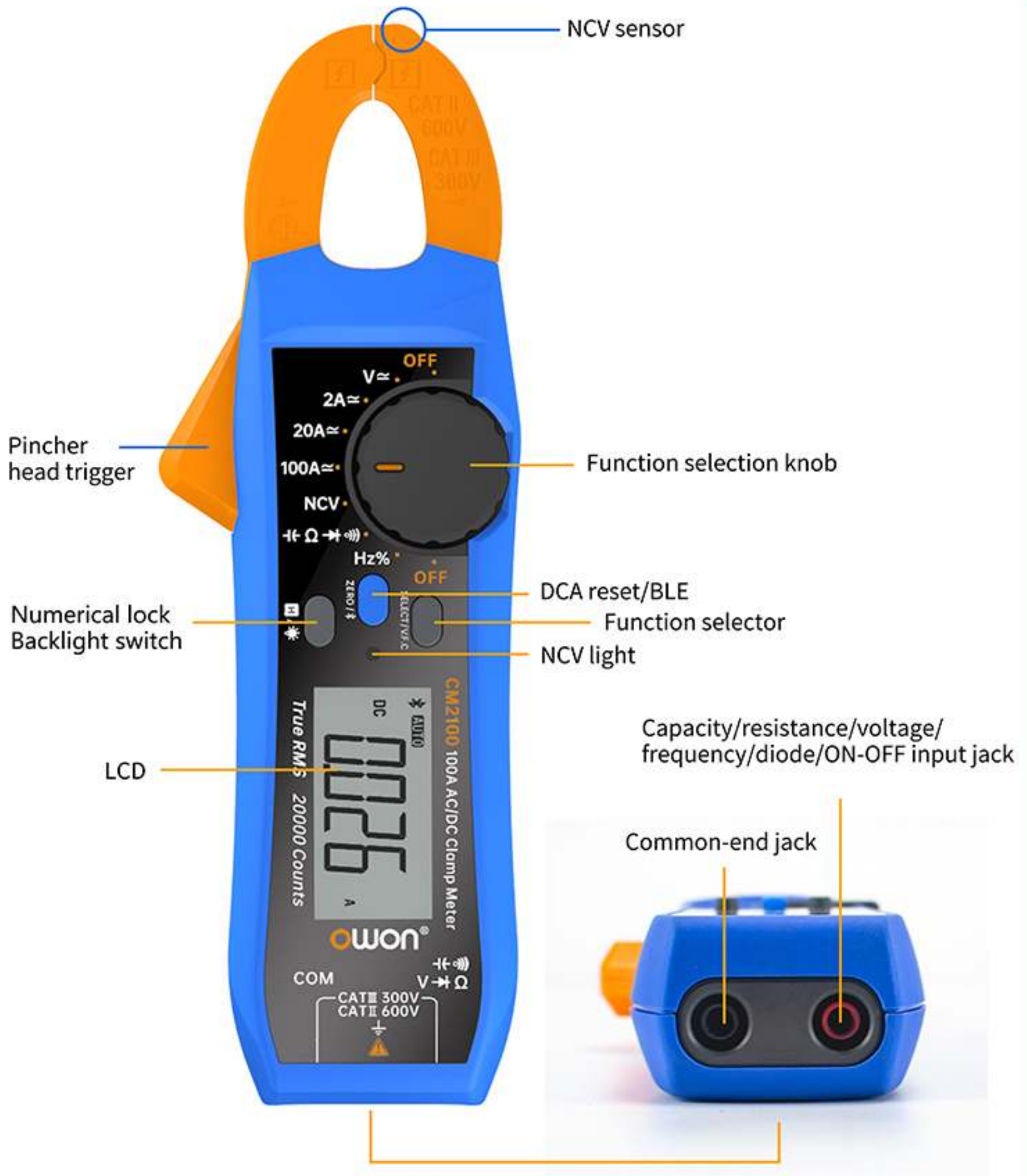


More comprehensive functions, More use versatile.

Scan QR code to download APP

PRODUCT STRUCTURE ANALYSIS

Complete adhesive cover, better using feels, better resistance to falls



Dimensions (L x W x H): 57.2 x 32 x 181.3 mm

Performance Specifications

Model : CM2100, CM2100B

	Range	Accuracy	
AC Current (A)	2.000A	$\pm(3\%+10\text{dig})$ in VFC $\pm (4\%+10)$	
	20.00A / 100.0A	$\pm(2.5\%+5\text{dig})$ in VFC $\pm (4\%+10)$	
AC Voltage (V)	2.0000V / 20.000V / 200.00V / 600.0V	$\pm(0.8\%+10\text{dig})$ in VFC $\pm (4\%+3)$	
DC Current (A)	2.000A	$\pm(2\%+8\text{dig})$	
	20.00A / 100.0A	$\pm(2\%+3\text{dig})$	
DC Voltage (V)	200.00mV	$\pm(0.7\%+10\text{dig})$	
	2.0000V / 20.000V / 200.00V / 600.0V	$\pm(0.5\%+5\text{dig})$	
Resistance (R)	200.0 Ω	$\pm(0.8\%+10\text{dig})$	
	2.0000k Ω	$\pm(0.5\%+10\text{dig})$	
	20.000k Ω / 200.00k Ω / 2.0000M Ω	$\pm(0.5\%+10\text{dig})$	
	20.000M Ω	$\pm(1\%+10\text{dig})$	
	200.00M Ω	$\pm(5.0\%+10\text{dig})$	
Capacitance (F)	2.000nF	$\pm(4.0\%+10\text{dig})$	
	20.00nF / 200.0nF / 2.000 μ F	$\pm(3.0\%+10\text{dig})$	
	20.00 μ F / 200.0 μ F / 2.000mF / 20.00mF		
Frequency (Hz)	200.00Hz / 20.000kHz / 200.00kHz / 2.0000MHz / 20.000MHz	$\pm(0.1\%+5\text{dig})$	
Duty cycle (%)	0.1% - 99.9%(typical: $V_{\text{rms}}=1\text{ V}$, $f=1\text{ kHz}$)	$\pm(1.2\%+3\text{dig})$	
	0.1% - 99.9%($\geq 1\text{ kHz}$)	$\pm(2.5\%+3\text{dig})$	
Special Function			
Display	20000 counts	Bluetooth Module	\checkmark (only for CM2100B)
Frequency Responses	40Hz - 1000Hz	Zero	\checkmark
Auto Ranging	\checkmark	Low-battery Indicator	\checkmark
Date Hold	\checkmark	Relative Measurement	\checkmark
Diode	\checkmark	Input Protection	\checkmark
Continuity Buzzer	\checkmark	Input Impedance	$\geq 10\text{M}\Omega$
VFC	\checkmark	Overrange Alarm	\checkmark
NCV	\checkmark	On-off Warning	\checkmark
Other			
Jaw Capacity	17mm		
Battery	2 x 1.5V AAA		
Dimension (L x W x D)	182mm x 57mm x 32mm		
Weight (without package)	0.2kg		

PACKING ACCESSORIES

One-stop service, more intimate.



- 1 CM2000
- 2 Multimeter Lead
- 3 Bolt Driver
- 4 Quick Guide
- 5 Soft Bag
- 6 Battery (1.5VAAA,optional)