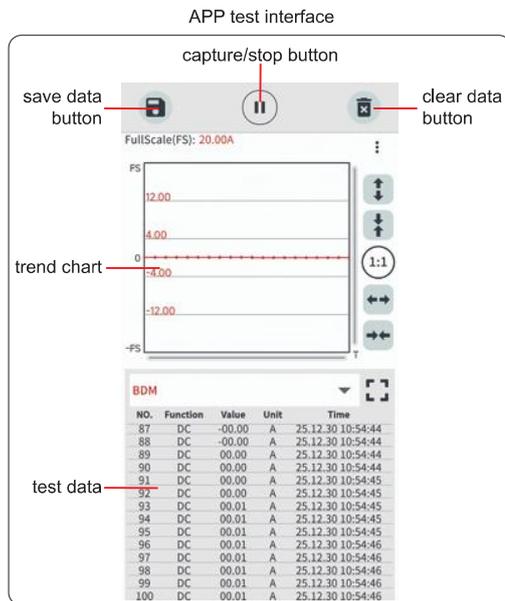


# BUILT-IN BLUETOOTH OSCILLOSCOPE CLAMP METER CODE 9311-CA110

BUILT-IN  
BLUETOOTH

- Built-in bluetooth
- Android app included
- Oscilloscope function
- Inrush current function
- 20000 counts display
- 38mm jaw opening
- NCV detection with light and sound alarm
- True RMS measurement
- Auto ranging
- Low battery indication
- Auto power off
- Safety rating: CAT III 1000V/CAT IV 600V



## OSCILLOSCOPE SPECIFICATION

<b>Analogue bandwidth</b>	voltage: 200kHz current: 1kHz	
<b>Acquisition mode</b>	real-time	
<b>Sampling rate</b>	5MSa/s	
<b>Input impedance</b>	≥10MΩ	
<b>Voltage</b>	<b>maximum input voltage</b>	1000Vpk
	<b>time base scale (s/div)</b>	2.5μs/div~10s/div
	<b>vertical scale (V/div)</b>	30mV/div~500V/div
<b>Current</b>	<b>maximum input current</b>	1000Apk
	<b>time base scale (s/div)</b>	2.5μs/div~10s/div
	<b>vertical scale (A/div)</b>	10A/div~500A/div
<b>Time-base accuracy</b>	±(0.01%+0.1div)	
<b>DC gain accuracy</b>	±(5%+0.2div)	
<b>Position range</b>	±3div	
<b>Measurement parameter</b>	RMS, frequency, maximum, minimum, peak-peak, average	
<b>Trigger mode</b>	auto	



test leads (included)

## STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>Li-ion battery (18650)</b>	1 pc
<b>Test lead</b>	2 pcs
<b>Power adapter</b>	1 pc

## CLAMP METER SPECIFICATION

Function	Range	Resolution	Accuracy
DC current	20A	0.01A	±(2%+10d)
	200A/1000A	0.1A/1A	±(2%+5d)
AC current *	20A	0.01A	±(3%+10d)
	200A/1000A	0.1A/1A	±(2.5%+5d)
Inrush current	20A/200A/1000A	0.01A/0.1A/1A	±(10%+10d)
DC voltage	20mV	0.001mV	±(0.1%+20d)
	200mV	0.01mV	±(0.1%+6d)
	2V/20V/200V	0.0001V/0.001V/0.01V	±(0.1%+5d)
	1000V	0.1V	±(0.15%+5d)
AC voltage *	200mV/2V/20V/200V	0.01mV/0.0001V/0.001V/0.01V	±(0.6%+10d)
	1000V	0.1V	±(0.8%+10d)
Resistance	200Ω	0.01Ω	±(0.8%+10d)
	2kΩ/20kΩ/200kΩ/2MΩ	0.0001kΩ/0.001kΩ/0.01kΩ/0.0001MΩ	±(0.3%+10d)
	20MΩ	0.001MΩ	±(0.5%+5d)
	100MΩ	0.01MΩ	±(5%+10d)
Capacitance	2nF	0.001nF	±(5%+10d)
	20nF/200nF/2μF/20μF/200μF /2000μF/20mF	0.01nF/0.1nF/0.001μF/0.01μF/0.1μF /1μF/0.01mF	±(3%+10d)
Frequency	10Hz~20MHz	0.01Hz~0.001MHz	±(0.1%+5d)
Duty cycle	0.1%~99.9%	0.1%	±(2.5%+10d)
Diode test	0V~3V		
Continuity check	<50Ω		
Power supply	18650 rechargeable lithium battery		
Dimension (L×W×H)	248×94.5×37.8mm		
Net weight	400g		

\* AC voltage/current frequency response: 40Hz~1000Hz, true RMS display