



HDS200 Series Dual Channel Handheld Oscilloscope



- + Oscilloscope + multimeter + waveform generator, multifunction in one
- + 3.5-inch high-resolution, high-contrast color LCD display, suitable for outdoor use
- + 18650 lithium battery power, providing up to 6 hours working time
- + USB Type-C interface, support power bank, support PC software connection
- + Self-calibration function
- + SCPI supported, facilitate secondary development

「Oscilloscope」 Specifications

Model	HDS242	HDS272	HDS2102	HDS242S	HDS272S	HDS2102S
Bandwidth	40MHz	70MHz	100MHz	40MHz	70MHz	100MHz
Channels	2-CH Oscilloscope			2-CH Oscilloscope + 1-CH Generator		
Sample Rate	250MSa/s		500MSa/s	250MSa/s		500MSa/s
Acquisition Model	Normal, Peak detect					
Record Length	8K					
Display	3.5-inch LCD					
Waveform Refresh Rate	10,000 wfms/s					
Input Coupling	DC, AC, and Ground					
Input Impedance	1 MΩ±2%, in parallel with 16pF±10pF					
Probe Attenuation Factors	1X, 10X, 100X, 1000X, 10000X					
Max. input Voltage	400V (DC+AC, PK-PK, 1MΩ input impedance) (10:1 probe attenuation)					
Bandwidth Limit (typical)	20MHz					
Horizontal Scale	5ns/div - 500s/div, step by 1 - 2 - 5	2ns/div - 1000s/div, step by 1 - 2 - 5	5ns/div - 500s/div, step by 1 - 2 - 5	2ns/div - 1000s/div, step by 1 - 2 - 5		
Vertical Sensitivity	10mV/div - 10V/div					
Vertical Resolution	8 bits					
Trigger Type	Edge					
Trigger Modes	Auto, Normal, single					
Automatic Measurement	Frequency, Period, Amplitude, Max, Min, Mean, PK-PK					
Cursor Measurement	ΔV, ΔT, ΔT&ΔV between cursors					
Communication Interface	USB Type-C					
Dimension (W x H x D)	198 × 96 × 38 (mm)					
Device Weight	0.6kg					

「Multimeter」 Specifications

Max. Resolution	20,000 counts
Testing Mode	Voltage, Current, Resistance, Capacitance, Diode ,and Continuity test
Input Impedance	10MΩ
Max Input Voltage	AC 750V, DC 1000V
Max Input Current	DC : 10A AC : 10A
Diode	0 - 2V

「Waveform Generator」 Specifications (Only for HDS242S & HDS272S)

Frequency Output	Sine	0.1Hz - 25MHz
	Square	0.1Hz - 5MHz
	Ramp	0.1Hz - 1MHz
	Pulse	0.1Hz - 5MHz
	Arbitrary	0.1Hz - 5MHz
Sampling Rate	125MSa/s	
Channel	1-CH	
Amplitude Range	20 mVpp - 5 Vpp	
Waveform Length	8K	
Vertical Resolution	14bits	
Output Impedance	50Ω	

Specifications subject to change without prior notice.

+ Accessories The accessories subject to final delivery.



Quick Guide



USB Cable



Probe



Probe Adjust



Multimeter Lead



BNC plug to alligator clips cable



Soft Bag

