

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	HDS242S	HDS272S
Bandwidth	40MHz	70MHz	40MHz	70MHz
Channels	2-CH Oscilloscope		2-CH Oscilloscope+1-CH Generator	
Sample Rate	250MSa/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 - 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	10M Ω
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	50 Ω	

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