

Dual Channel Handheld Oscilloscope

- HDS200 Series



- + 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	HDS2202	HDS242S	HDS272S	HDS2102S	HDS2202S
Bandwidth	40MHz	70MHz	100MHz	200MHz	40MHz	70MHz	100MHz	200MHz
Channels	2			2+1(signal generator)				
Sample Rate	250MS/s		500MS/s	1GS/s	250MS/s		500MS/s	1GS/s
Acquisition Model	Sample, Peak detect							
Record Length	8K							
Display	3.5-inch LCD							
Waveform Refresh Rate	Max 10,000 wfrms/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		2ns/div - 1000s/div, step by 1 - 2 - 5		5ns/div - 1000s/div, step by 1 - 2 - 5		2ns/div - 1000s/div, step by 1 - 2 - 5	
Vertical Sensitivity	10mV/div - 10V/div							
Vertical Resolution	5mV/div - 5V/div (at input)							
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 x 96 x 38 mm							
Device Weight	Approx. 0.60 kg							

「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, HDS2102S, and HDS2202S)

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