

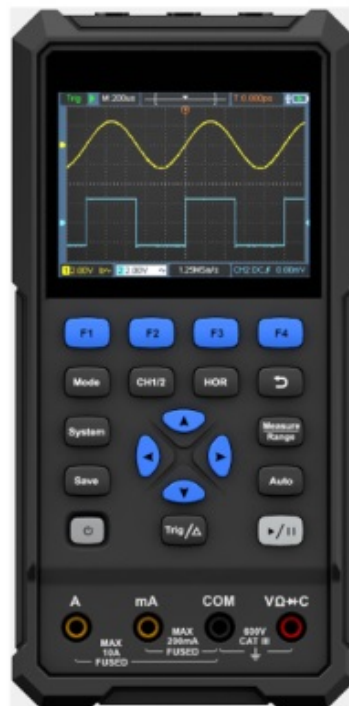


HDS300 Dual Channel Series

■ HDS307S

■ HDS310S

■ HDS320S



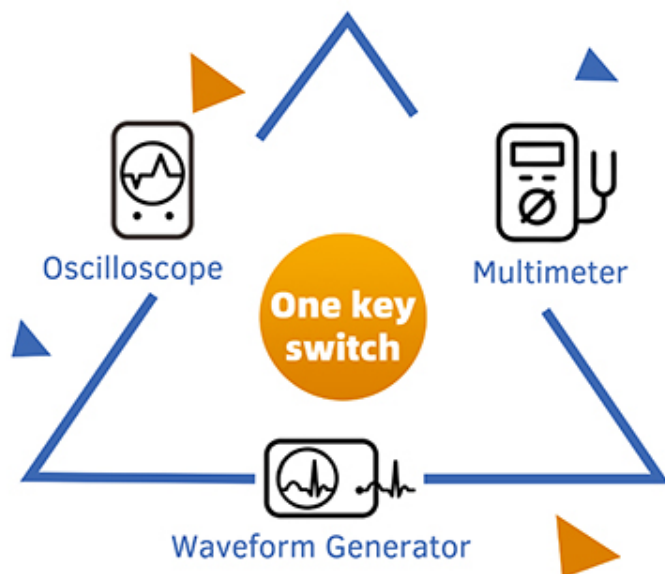
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Instrument

TRANSFORMERS

variety of functions in one



Oscilloscope

Max 10,000 wfms/s waveform refresh rate

- + Dual channels input, bandwidth up to 200MHz
- max. real-time sampling rate 1GS/s
- + Max 8k record length
- + Cursor measurement function
- + Multiple auto measurement functions
- + XY function
- + One-key auto set function, easy to detect and debug

Multimeter

20,000 counts, true RMS

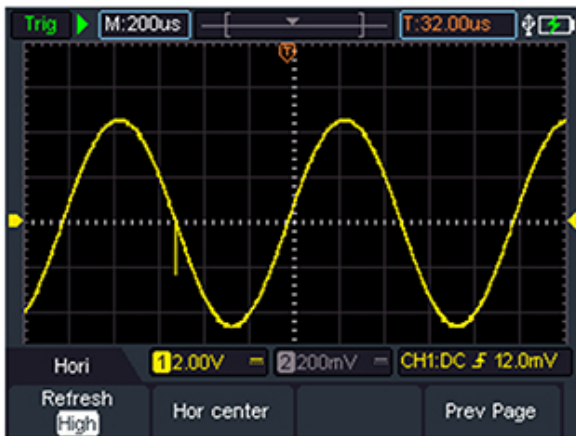
- + Voltage, current, resistance, diode, capacitance measuring, and continuity test
- + Auto range function, easy to detect and debug
- + Max AC 750V, DC 1000V input voltage
- + Independent input of multimeter and oscilloscope
- + Reading hold function

Waveform Generator

Max 30MHz frequency output

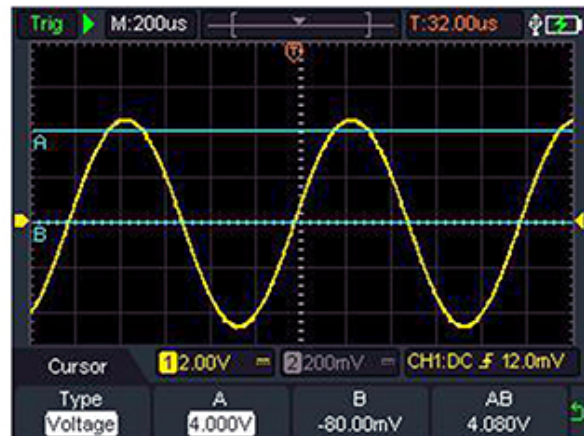
- + Output sine, square, ramp, pulse, and built-in special waveforms
- + 0.1Hz frequency resolution
- + 14-bit vertical resolution, 125MSa/s high sampling rate
- + 8k waveform length
- + Max 5Vpp output amplitude

Excellent oscilloscope performance



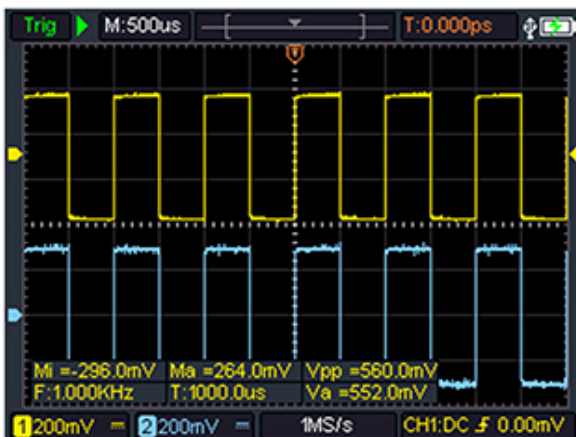
High refresh, deep storage

Max 10,000 wfms/s refresh rate, 8k record length, easy to capture exceptional and low probability events.



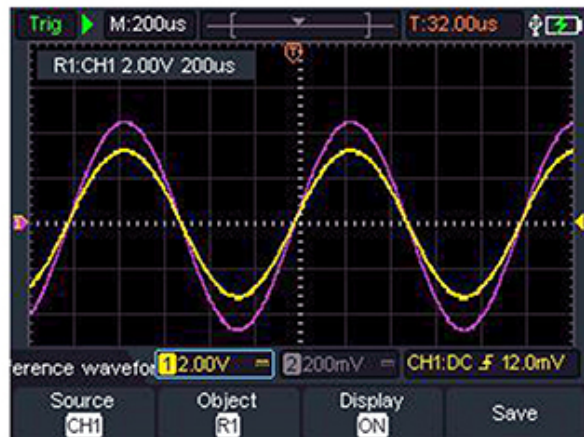
Cursor measurement function

Supports measuring the voltage difference between cursors (ΔV) and the time difference between cursors (ΔT).



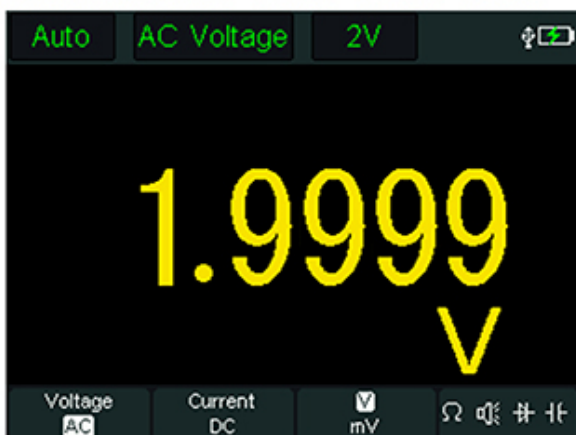
12 kinds of auto measurement

Frequency, Period, Amplitude, Max, Min, Mean, PK-PK, RMS, Rise Time, Fall Time, +Pulse Width, -Pulse Width.



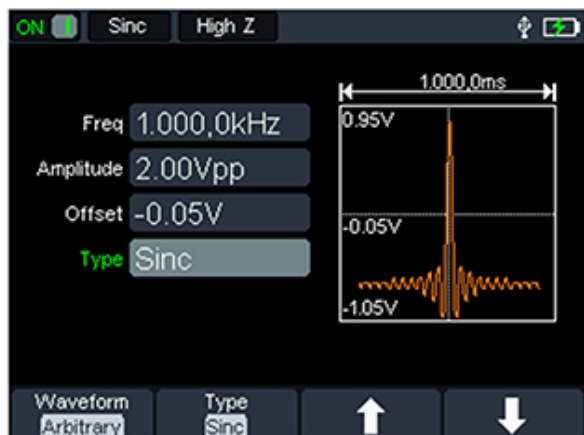
Save function: Save 8 settings, 8 reference waveforms, 8 waveform images, 8 CSV waveform files. The reference waveform can be displayed on the same screen as the measured waveform, convenient for waveform comparison.

20,000 Counts Multimeter with True RMS



20,000 counts, high-precision professional multimeter, support relative value measurement. Support measuring voltage, current, resistance, capacitance, diode, and continuity test.

30MHz Waveform Generator



Output sine, square, ramp, pulse, and built-in 16 arbitrary waveforms

Specifications

「Oscilloscope」 Specifications

Model	HDS307S	HDS310S	HDS320S
Bandwidth	70MHz	100MHz	200MHz
Channel	2+1(signal generator)		
Sample rate	250MSa/s	500MSa/s	1GS/s
Acquisition model	Sample, Peak detect		
	Sample, Peak detect		
Record length	8K		
Display	3.5 inch LCD		
Waveform refresh rate	10000 wfirms/s		
Input coupling	DC, AC ,Ground		
Input impedance	1 MΩ±2%, in parallel with 16 pF±10 pF		
Probe attenuation	1X,10X,100X,1000X,10000X		
Max. input voltage	400V (DC+AC, PK - PK)		
Bandwidth limit(typical)	20MHz / Full bandwidth		
Sampling rate range	5ns/div ~ 1000s/div,step by 1 – 2 - 5	2ns/div ~ 1000s/div,step by 1 – 2 - 5	
Sensitivity Resolution	10mV/div~10V/div		
Low Frequency (-3db)	≥10 Hz (at input, AC coupling)		
Rise time (at input, Typical)	≤5ns	≤3.5ns	≤1.75ns
Trigger type	Edge		
Trigger model	Auto, Normal, single		
Trigger level range	±4 div from the screen center		
Automatic measurement	Period, Frequency, Mean, PK-PK, Max, Min, RMS、 Rise Time、 Fall Time、 +Width、 -Width		
Cursor measurement	ΔV, ΔT,		
Communication interface	USB Type-C		

「Multimeter」 Specifications

Full scale reading	4 1/2 digitals (max 20000 count)
Testing Modes	Voltage, Current, Resistance, Capacitance, Diode ,Continuity
Maximum Input Voltage	AC 750V, DC 1000V
Maximum Input Current	DC : 10A AC : 10A
Diodes Test	0-2V

「Waveform Generator」 Specifications

Frequency Output	Sine	0.1Hz~30MHz
	Square	0.1Hz~6MHz
	Ramp	0.1Hz~1MHz
	Pulse	0.1Hz~5MHz
	Arbitrary Waveform	0.1Hz~5MHz
Sample Rate	125MSa/s	
Channel	1	
Amplitude	20mVpp-5Vpp (high impedance) , 10mVpp-2.5Vpp (50Ω)	
Waveform length	8K	
Vertical resolution	14bits	
Load impedance	1MΩ/50Ω	