

شرکت صانن  
WWW.SAENCO.COM  
021 88936611

## THREE FUNCTIONS IN ONE WORRY-FREE TESTING

### HDS300 Series Multi-Function Handheld Oscilloscope

- Oscilloscope + multimeter + waveform generator, multi-function 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
- SCPI supported, facilitate secondary development

Model	Oscilloscope bandwidth	Oscilloscope sample rate	Multimeter	Waveform generator
HDS307S	70MHz	250MS/s	4 1/2 Digital	30MHz
HDS310S	100MHz	500MS/s	4 1/2 Digital	30MHz



*Instrument*

# TRANSFORMERS

*variety of functions in one*

شركة صائن

[WWW.SAENCO.COM](http://WWW.SAENCO.COM)

021 88936611

**Oscilloscope**

**Max 10,000 wfms/s waveform refresh rate**

- + Dual channels input, bandwidth up to 100 MHz, max. real-time sampling rate 500MSa/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**

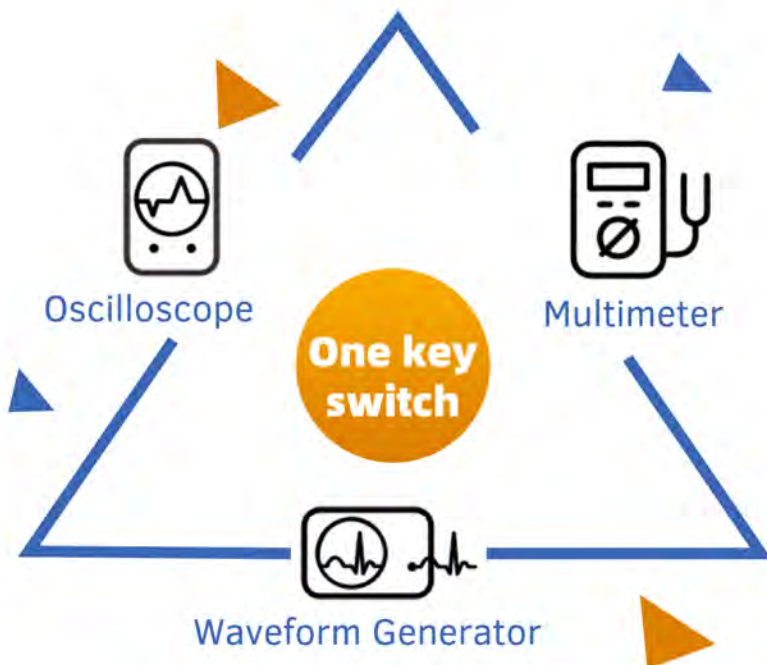
**20,000 counts, true RMS**

- + 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

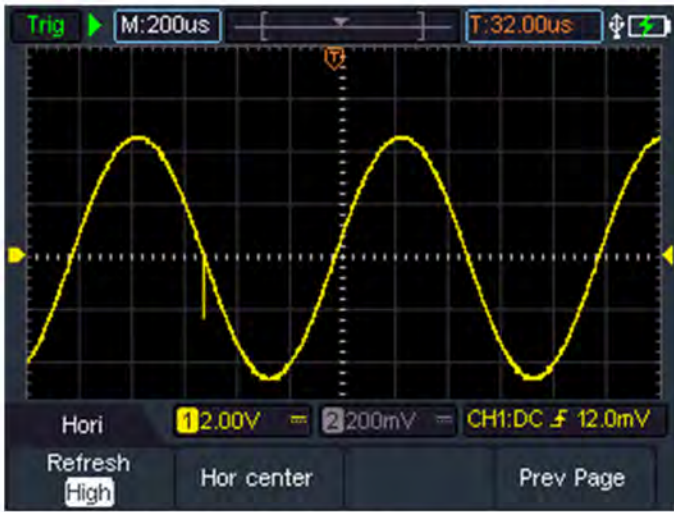
**Waveform Generator**

**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



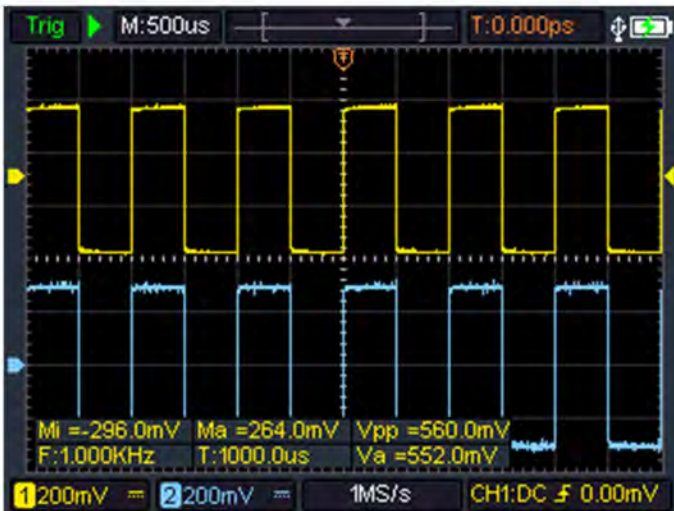
## High refresh, deep storage

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 ( $\Delta V$ ) and the time difference between cursors ( $\Delta T$ ).



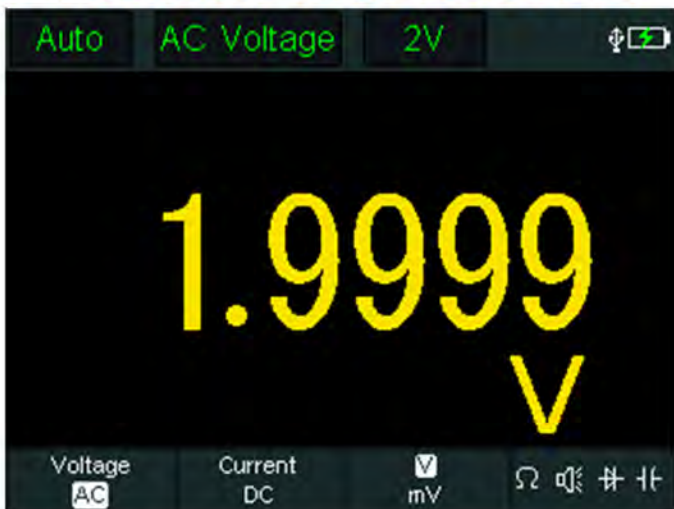
## 12 kinds of auto measurement

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

## [ Performance Characteristics ]

Model	HDS307S	HDS310S
Bandwidth	70MHz	100MHz
Sample rate	250MSa/s	500MS/s
Channel	2+1(signal generator)	
Acquisition model	Sample, Peak detect	
Record length	8K	
Display	3.5 inch LCD	
Waveform refresh rate	10000 wfms/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)	
Sampling rate range	5ns/div ~ 1000s/div,step by 1 – 2 - 5	
Sensitivity Resolution	10mV/div~10V/div	
Trigger type	Edge	
Trigger model	Auto, Normal, single	
Automatic measurement	Period, Frequency, Mean, PK-PK, Max, Min, RMS, Rise Time, Fall Time, +Width, -Width	
Cursor measurement	ΔV, ΔT, ΔT&ΔV between cursors	
Communication interface	USB Type-C	

## [ Digital Multimeter Specification ]

Full scale reading	4 $\frac{1}{2}$ 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

## [ Signal Generator Specification ]

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	
Amplitude	20mVpp-5Vpp (high impedance) , 10mVpp-2.5Vpp (50Ω)	
Waveform length	8K	
Vertical resolution	14bits	

The above parameters are subject to change without further notice, please refer to the official website update.

## + Accessories The accessories subject to final delivery.



Quick Guide



USB Cable



Probe



Probe Adjust



Multimeter Lead



BNC plug to alligator clips cable

شرکت صائن

WWW.SAENCO.COM

021 88936611

