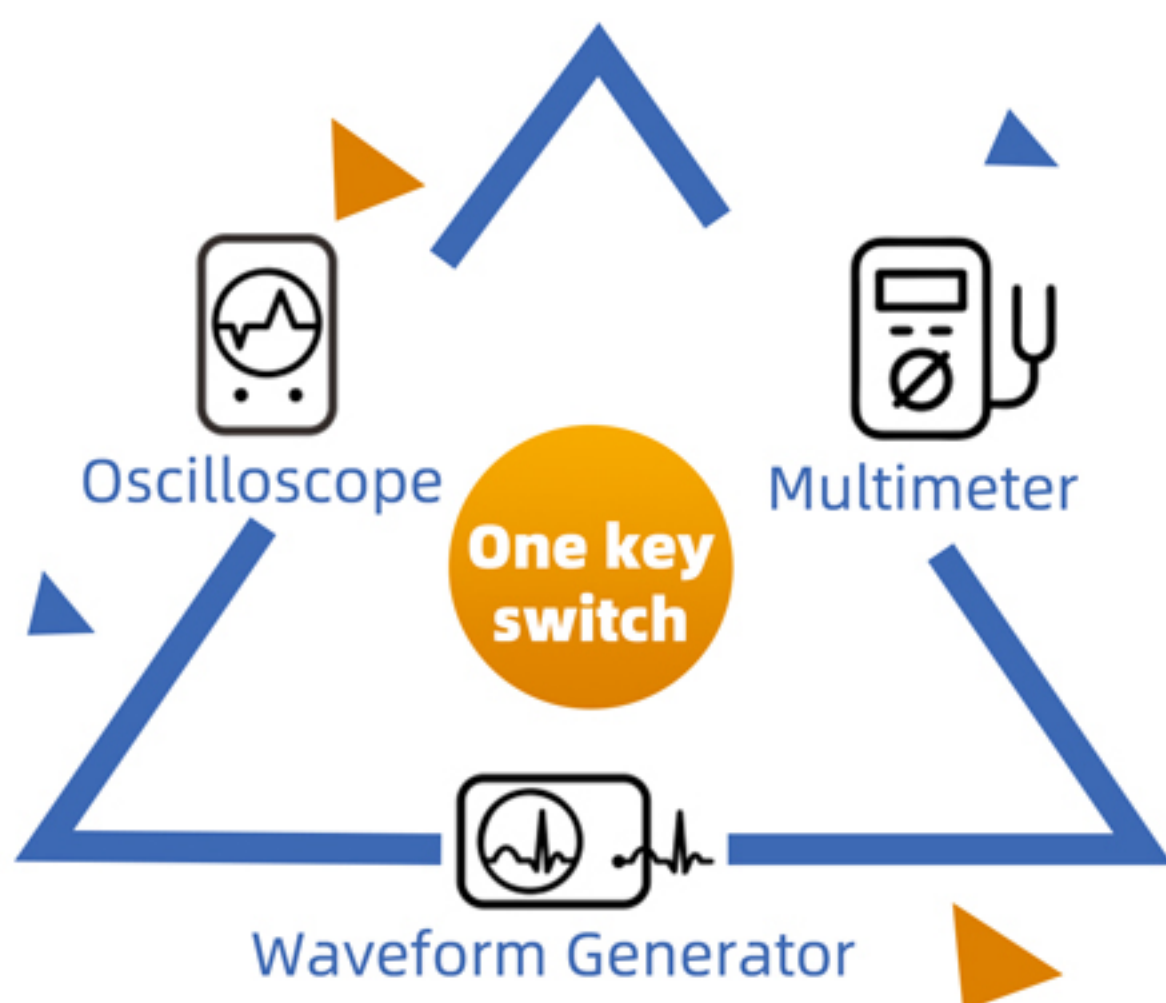


# Instrument

# TRANSFORMERS

*variety of functions in one*



## FUNCTION



### Oscilloscope

Max 10,000 wfms/s waveform refresh rate

- + Dual channels input, bandwidth up to 70 MHz, real-time sampling rate 250MSa/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

- + Standard 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
- + Relative measurement function



### Waveform Generator

(Only for HDS242S & HDS272S)

Max 25MHz 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



# Small size, powerful functions

Waveform generator output



Oscilloscope input



Plastic shell design of the BNC makes the test safer



Calibration signal:  
3.3V/1kHz square wave  
signal output

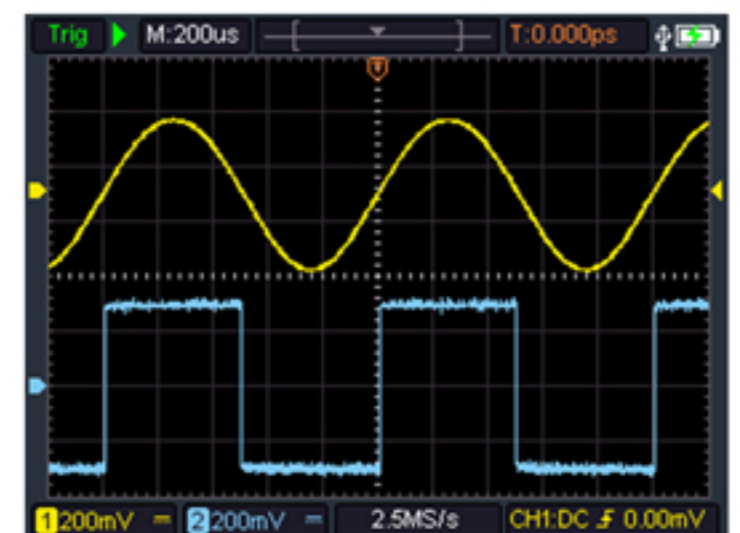
Charging and communication  
interface

198mm

38mm

96mm

Integrated encapsulation  
design, not easy to peel  
off after long-term use,  
and the hand feel is better.



3.5-inch (320×240) high-resolution  
TFT color LCD screen, clear and  
delicate display for observing  
waveform details.



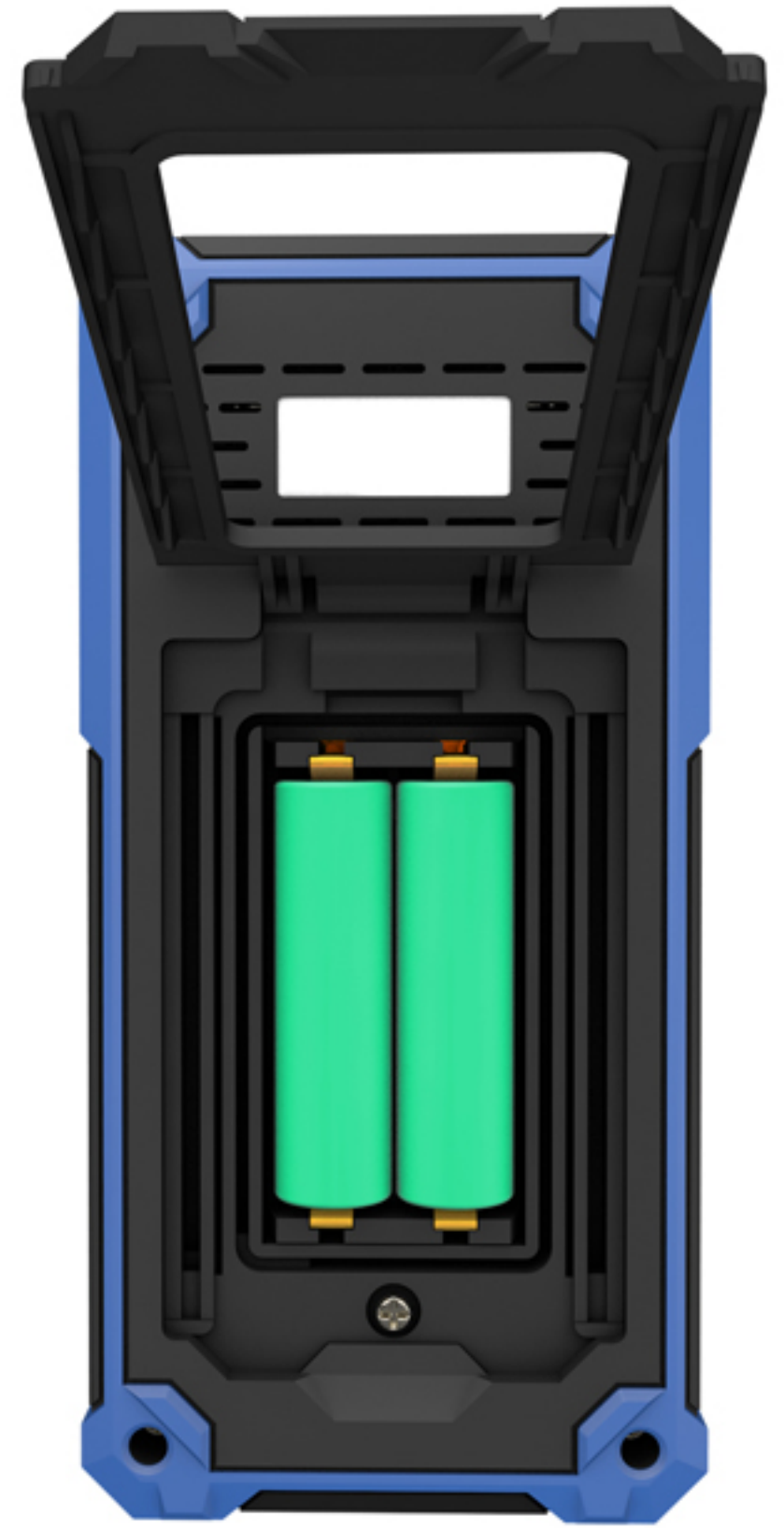
Multimeter input connectors

Approx. 0.6 kg (main device, without battery)



# Excellent Power Management

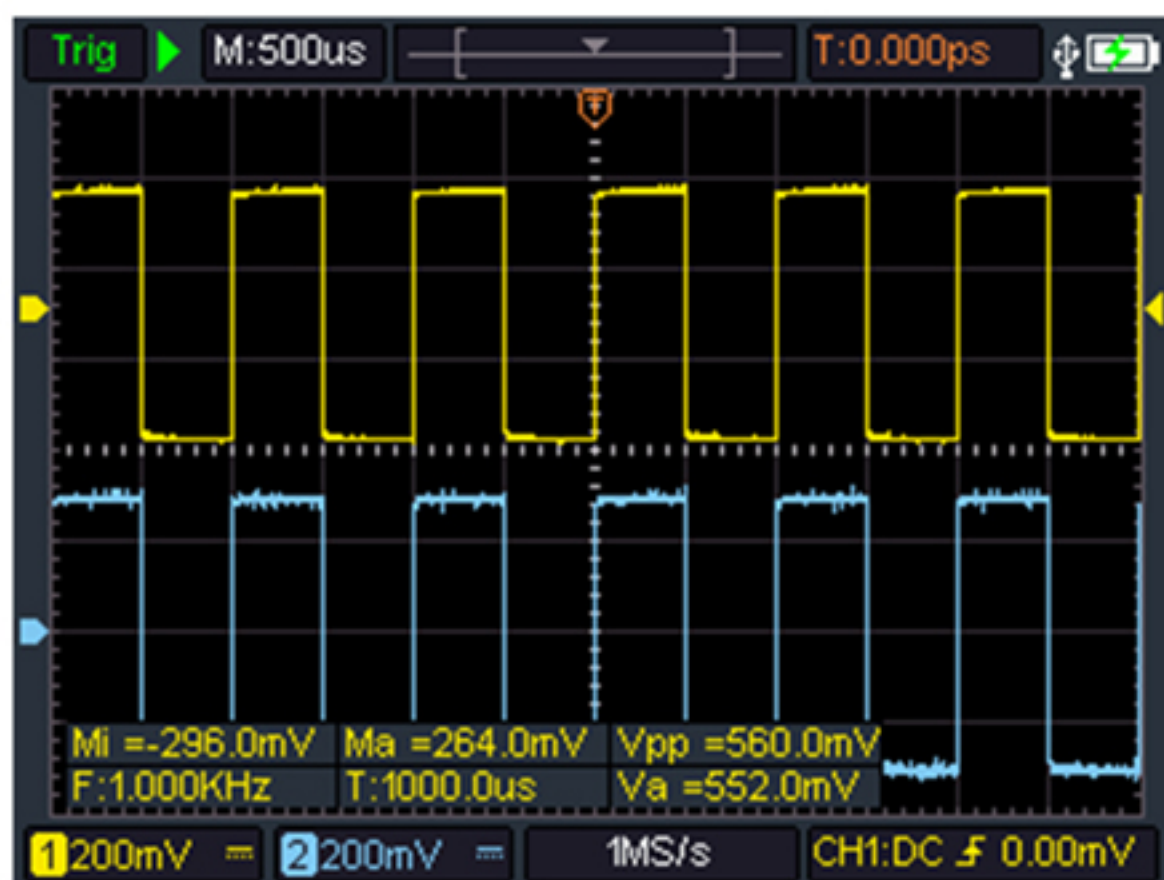
Ultra-low comprehensive power consumption less than 3W. Powered by 4400mAh lithium battery, work continuously for about 6 hours. A single battery can supply power normally. Easy battery replacement.



USB Type-C interface can be charged by an adapter or a power bank, and supports PC software connection.



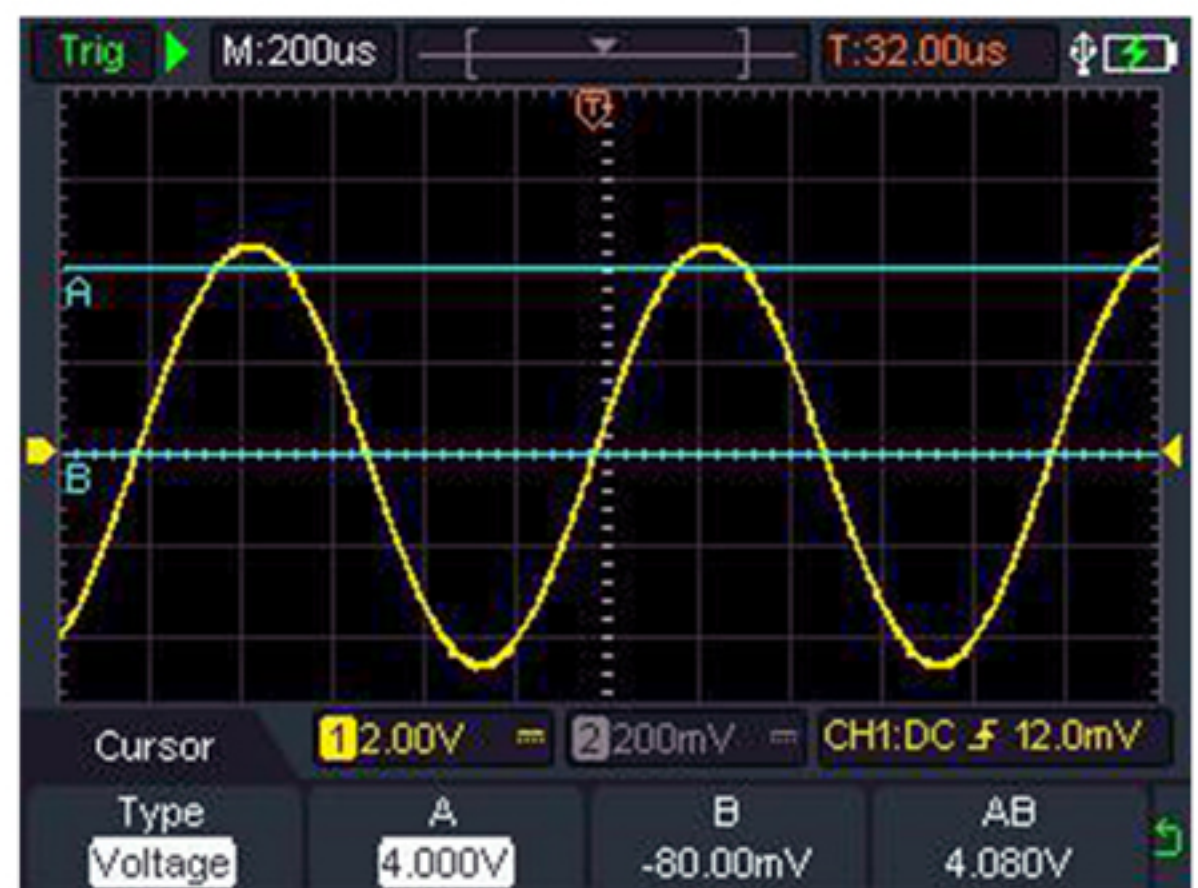




## 7 kinds of auto measurement

Frequency, Period, Amplitude, Max, Min, Mean, and PK-PK.

Max 6 auto measurements can be displayed on the screen at the same time.



## Cursor measurement function

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



## Save function

Save 4 settings, 4 reference waveforms, 4 waveform images, 4 CSV waveform files.

The reference waveform can be displayed on the same screen as the measured waveform, convenient for waveform comparison.

Connect to the computer through the USB Type-C interface, the computer can recognize the oscilloscope as a USB flash drive, and you can access the images or CSV waveform files to view, analyze or share the waveform data.

# 20,000 Counts Multimeter with True RMS

Support measuring voltage, current, resistance, diode, capacitance, and continuity test

20,000 counts, high-precision professional multimeter, support relative value measurement.

