**DSO152**

**DSO153**
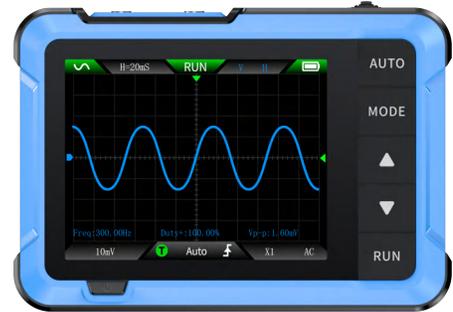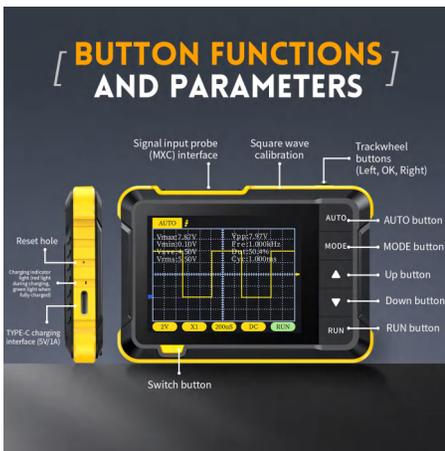
**DSO510**

## INTRODUCTION

The DSO152, DSO153, and DSO510 are 3 mini portable and exquisite oscilloscopes. Basic version DSO152 is 200KHz oscilloscope, auto testing helps maintenance and college students easily deal with voltage and frequency testing requirements in daily works or education activities; The latter two are upgraded ones. DSO153 has 1MHz bandwidth and it is integrated 10KHz signal generator outputs 12 types signals; DSO510 is a new upgraded device with 10MHz bandwidth and 50KHz signal generator which can output 13 types of signals. As entry-level oscilloscopes, they have steady performances and fashionable appearances, which make them very popular in the market.

## FEATURES

● Basic version DSO152 200kHz 2.5MSa/s oscilloscope
● Upgraded version DSO153 1MHz 5MSa/s oscilloscope, 10kHz signal generator
● Upgraded version DSO510 10MHz 48MSa/s oscilloscope, 50kHz signal generator
● 2.8-inch PPI color screen
● 6 hours battery endurance
● Pocket size 99x68.3x19.5mm, 100g

CE

RoHS

**BEYOND [IMAGINATION]**

**AUTOMATIC SHUTDOWN ENERGY SAVING &HIGH EFFICIENCY**

**Precise adjustments at your fingertips**
Displays trigger voltage for accurate measurements. Saves waveforms for second analysis.

**[ BUTTON FUNCTIONS AND PARAMETERS ]**

Signal input probe (MXC) interface
Square wave calibration
Trackwheel buttons (Left, OK, Right)
Reset hole
Charging indicator light (red light during charging, green light when fully charged)
TYPE-C charging interface (5V/1A)
AUTO — AUTO button
MODE — MODE button
▲ — Up button
▼ — Down button
RUN — RUN button
Switch button

**[ WAVEFORM ANALYSIS DETAILED INSIGHTS ]**

**[ Detailed ] Waveform Analysis Insights**
Supports pausing, zooming, and moving waveforms, with afterglow function. Easily find noise signals and analyze complex patterns.

## TECHNICAL SPECIFICATIONS

### Oscilloscope

| | DSO152 | DSO153 | DSO510 |
|---|---|---|---|
| Bandwidth | 200kHz | 1MHz | 10MHz |
| Channels | 1CH | 1CH | 1CH |
| Sampling Rate | 2.5MSa/s | 5MSa/s | 48MSa/s |
| Vertical Sensitivity | 10mV/div-10V/div | 10mV/div-10V/div | 10mV/div-10V/div |
| Input Impedance | 1MΩ | 1MΩ | 1MΩ |
| Time Base Scale | 10μs/div-50s/div | 500ns/div-20s/div | 50ns/div-20s/div |
| Trigger Types | Auto/Normal/Single | Auto/Normal/Single | Auto/Normal/Single |
| Auto Measurements | Max, Min, Ave, RMS, Vpp, Freq, Duty, Cycle；8 types | Max, Min, Avg, RMS, Vpp, Amp, Freq, Duty+, Duty-, Width+, Width-, Period；12 types | Max, Min, Avg, RMS, Vpp, Amp, Freq, Duty+, Duty-, Width+, Width-, Period；12 types |
| Languages | Chinese, English | English, Russian, Spanish, Portuguese, Deutsch, Korean, Japanese, Chinese; 8 languages | Chinese, English |

### Waveform Generator

| | DSO152 | DSO153 | DSO510 |
|---|---|---|---|
| Max frequency | / | 10kHz | 50kHz |
| Channels | / | 1CH | 1CH |
| Waveforms | / | Sine, Square, Sawtooth, Half wave, Full wave, Positive step, Negative step, Exponential rise, Exponential fall, DC signal, Multitone, Sync pulse; 12 types | Sine, Square, Sawtooth, Half wave, Full wave, Positive step, Negative step, DC signal, Exponential rise, Exponential fall, Multitone, Sync pulse and Lorentz wave;13 types |

## GENERAL CHARACTERISTICS

| | DSO152 | DSO153 | DSO510 |
|---|---|---|---|
| Product Color | Yellow & Black | Blue & Black | |
| Product Size | 99x68.3x19.5mm | | |
| Display | 2.8-inch PPI Screen (320*240) | | |
| Battery | 3.7V, 1000mAh, Lithium battery, Standby time 4 hours | | |
| Standard Accessories | Main device*1, Ordinary Probe *1, Data Cable*1, Lanyard*1, Manual*1 | | |
| Product Net Weight | 100g | | |
| Standard Carton | 46*43*26.5cm | | |
| Carton Gross Weight | 18kg | | |
| Quantity Per Carton | 100PCS | | |