

HANDHELD DIGITAL OSCILLOSCOPE 1 x 10 MHz, SAMPLE RATE 48 MSPS + 1 PROBE SIGNAL GENERATOR 50 KHz

DSO510



Introduction :

The DSO510 is a mini oscilloscope and function generator equipped with a 2.8-inch TFT color screen and a resolution of 320x240 pixels. The oscilloscope has 1 channel with a bandwidth of 10 MHz and a sampling rate of 48 Ms/s. The trigger mode is selectable (single, normal, auto) and its voltage measurement range can go up to +/-400V in AC or DC. The function generator offers more than 10 different waveforms for frequencies ranging from 0 to 50 KHz and an amplitude from 0.1V to 3.0V. The duty cycle is also adjustable.

Equipped with a rechargeable lithium battery via USB port, this portable oscilloscope is an ideal tool for testing and repairs on site or in a workshop thanks to its ultra-simple and intuitive use.

Hardware & Electrical specifications :

Oscilloscope :

Bandwidth : 1 x 10 MHz, (1 channel).
Sampling rate : 48 MS/s.
Vertical sensitivity : 10mV/division to 20V/division.
Time base range : 50ns/division to 20s/division
Trigger mode : Auto / Normal / Single.
Trigger edge : rising edge or falling edge.
Voltage range x1 : +/- 40V AC/DC.
Voltage range x10 : +/- 400V AC/DC.

Signal generator :

Frequency : 0 to 50 KHz.
Amplitude : 0,1V to 3,0V.
Duty cycle : 0 to 100%.
Waveforms : sine, rectangular, sawtooth, half, full, step, anti-step, Lorentz, exponential rise, exponential drop, DC signal, multi-tone, sink-pulse

Others parameters :

Display : 2,8 inches (320x240 dpi)
Low battery indication.
Dimensions : 99 x 68 x 20 mm.
Weight : 104g.

Items includes :

Digital oscilloscope.
USB-C charging cable.
Probe.
Cord with alligator clips.
BNC adapter.
User Manual.
Lithium battery 3,7V / 1000 mAh included.

