

HANDHELD DIGITAL 3 IN 1 OSCILLOSCOPE 2 CHANNELS 50 MHz + 2 PROBES DDS SIGNAL GENERATOR 1Hz TO 2MHz, AND MULTIMETER TRUE RMS



2C53T (50MHz)



Introduction :

The 2C53T combines the following functions in a single product : digital oscilloscope, digital multimeter, signal generator.

The oscilloscope has 2 channels with a bandwidth of 2x50 MHz and a sampling rate of 250 Ms/s. The trigger mode is selectable (single, normal, auto) and its voltage measurement range can go up to +/-400V peak-to-peak. It is equipped with high voltage protection, the signal display automatically adjusts to the screen, and it is possible to capture images so that they can be transferred to a computer via the USB cable for later study.

The multimeter allows true RMS measurements to be taken with 4 digits and a resolution of 10000 points. It measures voltages up to 750Vac or 1000Vdc and currents up to 10A, resistance values up to 20 Mohms and capacitance up to 100mF, as well as diode, continuity testing. Range selection is automatic.

The DDS signal generator offers 13 different waveforms, including sine, square, triangle, half, full, noise, and continuous. The frequency is adjustable from 0Hz to 50KHz, the duty cycle is also adjustable from 0 to 100%, and the amplitude is adjustable from 0V to 3V.

The device has a 2.8-inch colour LCD screen (320x240 pixels) and a 3000mA lithium battery for optimal use. This portable 3-in-1 measuring device is a compact and very practical tool for electricians working on site or technicians working in a workshop.

Hardware & Electrical specifications :

Display : LCD HD color 2,8 inches (320x240 ppp).

Oscilloscope vertical sensibility : 10mV/div to 10V/div.

Oscilloscope time base range : 10ns to 20s.

Voltage range : 2V / 20V / 200V / 1000Vdc or 750Vac.

Current range : 20mA / 200mA / 2A / 10A.

Résistance range : 200 ohms / 2K / 20K / 200K / 2M / 20Mohms.

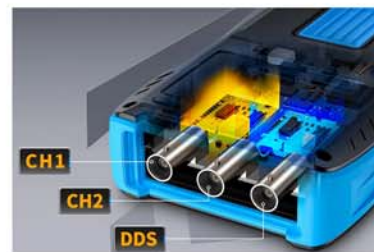
Capacitance range : 10nF / 100nF / 1μF / 10μF / 100 μF / 1mF / 10 mF / 100mF.

Signal generator : Amplitude 0V to 3V / Frequency 0Hz to 50KHz / duty cycle 0 to 100%.

Battery : 3,7 V / 3000 mAh lithium.

Dimensions : 167 x 89 x 35 mm.

Weight : 300g.



Items includes :

Digital device.

USB-C charging cable.

2 x oscilloscope probes.

1 x Crocodile clip probe.

1 x Multimeter probe.

User Manual.

Lithium battery 3,7V / 3000 mAh included.