

Portable 3-in-1 oscilloscope FNIRSI 2C23T multimeter signal generator



Model: 2C23T

Manufacturer: FNIRSI

EAN: 5907085527307

Product Code: 1090504

R2,236

FNIRSI 2C23T portable 3-in-1 oscilloscope multimeter signal generator

The FNIRSI 2C23T is a versatile 3-in-1 measurement tool that combines the functions of a dual-channel oscilloscope, precision multimeter and signal generator. With its compact design, intuitive operation and advanced features, it is an ideal choice for both professional and novice electronics engineers. The built-in 3000 mAh battery provides up to 8 hours of operation, and the 2.8" color screen with a resolution of 320 × 240 px allows for convenient readings in any conditions.

Advanced oscilloscope with two channels

The device offers a dual-channel oscilloscope with a 10 MHz bandwidth and 50 MS/s sampling rate. Each channel operates independently, which eliminates interference and increases measurement

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precision. Thanks to its well-thought-out hardware architecture (FPGA + ADC + MCU), the FNIRSI 2C23T perfectly reproduces even the finest details of signals. It supports auto, single and normal trigger modes, and allows you to adjust settings automatically - just one click to get a clear graph. You can save waveform snapshots and export them to a computer for easy later analysis.

Multimeter with a wide range of applications

The multimeter's function allows accurate measurement of voltage (AC up to 750 V, DC up to 1000 V), current, resistance, capacitance, diodes, circuit continuity, as well as zero and phase wire recognition. True RMS measurement and automatic range selection ensure high accuracy and ease of use. Intelligent burnout protection (using ceramic fuses) protects the device and the user. Measurement data can be retained on the screen for easy reading and interpretation.

Universal signal generator

The built-in generator offers seven types of signals, including sine, rectangular, triangle, full-period, half-period, noise and DC. The output frequency ranges from 1 Hz to 2 MHz, and the amplitude from 0.1 to 3.3 V. The user can also adjust the fill factor from 0 to 100%. This is an ideal tool for testing electronic circuits and debugging circuits.

Thoughtful design and convenience of use

The FNIRSI 2C23T is made of durable ABS material with an additional silicone cover for drop and shock resistance. The high-grade gold-coated PCB ensures better corrosion resistance and reliable operation. A convenient stand allows stable positioning on a table, and silicone buttons ensure comfortable operation. The USB-C port allows fast charging, and the ultra-thin design (just 3 cm thick) makes the device easy to fit in a bag or backpack.

Use in many situations

The FNIRSI 2C23T will prove useful both in the workshop and in the field. It can measure 220V mains voltage, analyze impulse signals, measure the carrier wave of quartz oscillators, evaluate the voltage ripple of power supplies and test audio signals. Support for five languages (English, Russian, Portuguese, Japanese, German) and software updates ensure the versatility and longevity of the

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equipment.

Included

- oscilloscope
- 10X probe
- probe with crocodile clip
- probe with multimeter
- charging cable
- user manual

General

Manufacturer	FNIRSI
Model	2C23T
Screen	2.8" HD color
Screen resolution	320 x 240
Charging	Via Type-C cable (5V/1A)
Battery	Lithium, 3000 mAh
Features	Oscilloscope, sound generator, multimeter
Standby time	6 hours
Supported languages	English, Russian, Portuguese, Japanese, German
Dimensions	167 x 89 x 35 mm
Weight	300 g

Oscilloscope

Channel	Dual channel
Sampling frequency	50M

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Analog bandwidth	10M
Memory	32kb
Impedance	1MΩ
Time base range	50ns-10s
Vertical sensitivity	20mV/div-10V/div (X1)
Maximum voltage	400 V
Trigger mode	Automatic, normal, single
Trigger type	Rising edge, falling edge
Display mode	YT/scroll
Coupling method	AC/DC

Save waveform screenshots Supported

Waveform viewing on computer Supported

Sound generator

Channel Single

Frequency 1Hz-2MHz

Amplitude 0.1-3.3V

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 690, Net weight: 290, Box length: 24,50, Box width: 12,00, Box height: 8,00, Information about data generation: <https://dataact.innpro.pl/fnirsi/5907085527307>, PPWR: <https://ppwr.innpro.pl/fnirsi>

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