



Portable 3-in-1 FNIRSI 2C53P 4.3 touchscreen oscilloscope



Model: 2C53P

Manufacturer: FNIRSI

EAN: 5907085527291

Product Code: 806827

R3,327

FNIRSI 2C53P 4.3" portable 3-in-1 touchscreen oscilloscope.

The FNIRSI 2C53P is a portable oscilloscope that combines three functions: a two-channel oscilloscope, a digital multimeter and a DDS generator. The device offers extensive functionality in a compact form. It features a 4.3-inch IPS touchscreen with 480 × 272 pixel resolution, which provides intuitive operation and free viewing of waveforms with zoom and pan capabilities. The oscilloscope offers a 50 MHz bandwidth, 250 MSa/s sampling rate and 12 switchable waveforms. This makes it ideal for measuring voltage, current, resistance, capacitance or temperature with precision up to 19999 readings.

Advanced signal analysis capabilities

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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The FNIRSI 2C53P enables professional signal analysis with functions such as FFT (fast Fourier transform), X-Y mode, cursor measurements, mathematical functions, and True RMS function. The oscilloscope offers three trigger modes (auto, normal, single), and with the "auto set" function, waveform calibration is done with a single button. In addition, a band-limiting function of up to 20 MHz is available, allowing accurate measurement of power supply interference at the millivolt level.

Multimeter with high precision and safety

The built-in multimeter supports measurements of AC/DC voltage, current, resistance, capacitance, diodes, continuity and temperature. The device offers extremely accurate measurements (up to 19999 readings) and allows you to store up to five measurement parameters, track changes in minimum and maximum values, and export data to a computer via the "USB Sharing" function. The dual ceramic fuses used protect the device from current and voltage overloads, ensuring safe use.

Fast charging and robust design

The built-in lithium battery with a capacity of 4000 mAh ensures long operation of the device without frequent charging. The FNIRSI 2C53P is equipped with a tempered glass screen, an adjustable stand (90°), a compact and impact-resistant housing, making it suitable not only in the workshop, but also in the field. The whole device supports up to 8 interface languages, including Chinese, English, Russian, Japanese, Spanish, Portuguese, German and Korean.

Ideal for precision measurement and analysis

The FNIRSI 2C53P oscilloscope is used for measuring 220V mains voltage, switching power supplies, power supply interference, pulse signals, as well as for analyzing audio signals. It is a versatile tool that will be perfect for both professional laboratory and hobbyist applications.

Included

- oscilloscope
- probe with crocodile clip
- P6100 x2 probe
- probe with multimeter function

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- danny ch cable
- user manual

General

Manufacturer	FNIRSI
Model	253P
Dimensions	14.5 x 3.5 x 9.8 cm
Screen	4.3" tempered glass, color IPS screen
Screen resolution	480 x 272 px
Backlight capability	Supported
Power source	Type-C (5V/2A)
Battery	Lithium, 4000 mAh capacity
Supported languages	Chinese, English, Russian, Japanese, Spanish, Portuguese, German, Korean
Weight	360 g

Oscilloscope

Channel	Dual
Sampling frequency	250 MSa/s
Time base range	10ns/div - 10s/div
Waveform display method	YT, XY, Scroll
Input impedance	1MΩ
Probe	1x/10x
Trigger type	Rising edge, falling edge
Trigger levels	8 (positive, negative)
Memory	13M
Save waveform screenshot	Supported

**File transfer to computer via
USB**

Supported

Bandwidth

50 MHz

Vertical sensitivity

10mv/div - 10v/div

Vertical resolution

8 bits

Bandwidth limit

20 MHz

Input coupling

AC/DC

Voltage protection

400 V

Trigger mode

Automatic, normal, single

Measurement data

Prd, Freq, Vpp, Vmax, Vmin, Vrms, Vavg, Vamp, Du+, Du-,
Wid+, Wid-

Signal generator

Wave frequency

0-10MHz (sine wave: 10MHz / other waveforms: 5MHz)

Waveform amplitude

0.1V-3.0V

Rectangular waveform duty cycle 0-100%

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 940, Net weight: 364, Box length: 20,50, Box width: 12,00, Box height: 9,00, Information about data generation: <https://dataact.innpro.pl/fnirsi/5907085527291>, Last delivery: 16.09.2026, PPWR: <https://ppwr.innpro.pl/fnirsi>

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