

FNIRSI 1013D 7 portable tablet oscilloscope



Model: 1013D

Manufacturer: FNIRSI

EAN: 5907085527086

Product Code: 883481

R3,814

FNIRSI 1013D 7" portable tablet oscilloscope

The FNIRSI 1013D portable oscilloscope with a 7" touch screen, 2 measurement channels, 100 MHz bandwidth and 1 GSa/s sampling rate allows precise signal analysis in service, workshop and electronic device design. The device is equipped with an easy-to-read 800x480 TFT screen, automatic one-button signal adjustment, and waveform recording function, allowing convenient and fast measurements anywhere. Support for analog and digital signal analysis makes it suitable for equipment service and DIY applications. The built-in 6,000 mAh lithium battery allows the device to operate for about 4 hours.

Clear touchscreen

The FNIRSI 1013D features a 7-inch TFT LCD screen with 800x480 resolution, providing high brightness, contrast and accurate waveform reproduction. Touch operation of the screen allows quick zooming, panning and changing of measurement parameters, speeding up work without the

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need for physical buttons. The screen is made with capacitive technology, known from modern smartphones, which ensures smooth operation and no delays when changing settings. The cursor measurement function allows accurate reading of signal amplitude, period and frequency without the need to convert units from the screen's grid, which is especially useful with distorted signals or rectangular waveforms with noise.

Two measurement channels

The device is equipped with two measurement channels with an input impedance of 1 MΩ, which allow the analysis of two signals simultaneously, making it easier to compare the input and output of amplifier circuits, converters or PWM signal analysis. This makes the range of applications much wider than with single-channel models. You can also perform Lissajous pattern analysis in XY mode, which allows you to determine the frequency, amplitude and phase shift between two groups of signals.

Automatic signal adjustment

The one-button automatic adjustment function allows you to instantly adjust signal measurement parameters without manual calibration. As a result, the FNIRSI 1013D can adjust the settings for a 1 Vpp signal within 1 second, saving time and increasing work efficiency. The built-in fuzzy logic algorithm ensures high accuracy and automatically places the signal in the center of the screen, making analysis much easier.

Protection against damage

The oscilloscope uses built-in surge protection modules up to 400 V to prevent accidental damage to the device when measuring high-voltage signals, even if the probe is not set to 10X mode. This allows you to safely test power and high-voltage circuits.

Data storage and export

The FNIRSI 1013D offers an internal memory of 1 GB, which allows you to store up to 1,000 images and 1,000 waveform sets. This allows you to quickly save one-touch measurement results and export them via USB to a computer for further analysis. The waveform manager function allows you

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to view thumbnails of stored waveforms, zoom in, delete and analyze them with a cursor directly on the device - similar to a smartphone gallery, adding to the convenience of data management.

Advanced triggering functions

The oscilloscope offers a full set of trigger modes - Auto, Single and Normal. This arrangement allows you to test sudden pulsed ignition signals, IR remote control signals or sine wave signals depending on the selected mode, making the device a versatile diagnostic tool. You can also set the trigger edge (rising/falling) and trigger channel, allowing you to precisely capture the signal fragments of interest.

Included:

- FNIRSI 1013D portable touchscreen oscilloscope
- Probe (100 MHz) x2
- USB charger
- User manual

Manufacturer	FNIRSI
Model	1013D
Number of channels	2
LCD screen size	7 inches
LCD resolution	800 x 480
Display technology	TFT
Bandwidth	100 MHz
Sampling frequency	1 GSa/s
Highest test voltage	1X: 40V 10X: 400V
Cursor	XY position Trigger Y

Roll mode	Supported
Automatic one-button setting	Supported
Waveform storage	1000 images + 1000 waveforms
Waveform manager	Supported
Voltage accuracy	$\pm 2\%$
Rise time	3 ns
Memory depth	240 Kbit
Input resistance	1 M Ω
Sensitivity	50 mV ~ 500 V
Time base	50 s ~ 10 ns
Trigger mode	Single / Normal / Auto
Trigger edge	Ascending / Descending
Coupling	AC / DC
Frequency accuracy	$\pm 0,01\%$
Parameters	12 types in total
Battery	Lithium with a capacity of 6000 mAh
Operating time	4 hours
Expansion	USB export
Charging	USB-C 5V 2A/3A/4A
Dimensions	184 x 124 x 50 mm

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 1010, Net weight: 604, Box length: 24,50, Box width: 14,50, Box height: 8,50, Information about data generation: <https://dataact.innpro.pl/fnirsi/5907085527086>, Last delivery: 16.09.2026, PPWR: <https://ppwr.innpro.pl/fnirsi>

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