

FNIRSI DPOS350P 4-in- 1 digital oscilloscope



Model: DPOS350P

Manufacturer: FNIRSI

EAN: 5905156102163

Product Code: 1298696

R6,995

FNIRSI DPOS350P 4-in-1 Digital Oscilloscope

The FNIRSI DPOS350P is a versatile digital oscilloscope designed for convenient and intuitive operation. It features a large 7-inch touch screen for clear signal viewing and quick access to key functions. It combines the features of an oscilloscope, signal generator, spectrum analyzer, and frequency response analyzer, making it suitable for a wide range of measurement applications. High bandwidth, fast sampling, and large memory enable precise signal analysis, while advanced visualization modes improve measurement readability.

Full control over the signal

The large 7-inch touch screen provides a full view of the analyzed signal and precise parameter control. The clear interface allows you to quickly understand the behavior of the system, and the

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high image quality makes the DPOS350P an "engineer's second pair of eyes" – indispensable for diagnostics and testing.

Maximum functionality

The FNIRSI DPOS350P is an advanced 4-in-1 oscilloscope that offers the functions of four different devices. It is an oscilloscope (2 channels, 350 MHz bandwidth, 1 GSa/s sampling, 8-bit resolution, 50,000 waveforms per second), signal generator (up to 50 MHz), spectrum analyzer (200 kHz – 350 MHz range), and frequency response analyzer (100 kHz – 50 MHz). Such a wide range of functions means that one device replaces several specialized tools, saving space and time.

High measurement performance

The DPOS350P model offers a bandwidth of 350 MHz, a sampling rate of 1 GSa/s, and a memory depth of 60 kpts, which translates into accurate signal reproduction and stable measurements even with complex waveforms. What's more, the FNIRSI DPOS350P allows Bodé chart analysis in the 100 Hz – 50 MHz range, with adjustable frequency, excitation amplitude, and offset. It is the ideal tool for testing amplifiers, filters, and power loops, allowing you to quickly and accurately assess the frequency response of a circuit.

Advanced spectrum and EMI analysis

The device covers a frequency range from 200 kHz to 350 MHz and allows for precise manual adjustment of key parameters (start/stop frequencies, bandwidth, reference level, attenuation, and FFT length). Cursor measurement functions and advanced visualization modes are at your disposal, including an impressive and extremely clear 3D Waterfall view. This makes the oscilloscope ideal for EMI testing, RF signal analysis, and harmonic detection.

Signal visibility like never before

Digital fluorescence technology provides exceptional signal clarity and precise color reproduction. In addition, advanced noise filtering improves waveform detection and presentation, enabling more accurate signal analysis. Support for 8-16-bit technology takes image clarity to the next level.

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Tablet design that makes work easier

The slim housing in an elegant black finish with blue accents combines modern design with ergonomics. The tablet form factor allows for comfortable one-handed operation, and the touch interface makes all functions immediately accessible—without unnecessary menus and complicated navigation. This is a device that naturally adapts to the user's work rhythm. The oscilloscope supports multiple languages, including English, Chinese, Russian, and Portuguese, making it ideal for international environments.

Included

- 350 MHz probe x2
- QC18W charger
- USB cable
- Alligator clip leads
- User manual

General

Manufacturer	Fnirsi
Model	DPOS350P
Startup configuration	5 presets
Languages	Chinese / English / Russian / Portuguese
Screen diagonal	7 inches
Screen resolution	1024 × 600 pixels
Screen technology	IPS, full viewing angle
Interaction mode	Capacitive touch screen
Expansion interface	Capacitive touch screen
Auto power off	15 minutes ~ 1 hour / off
Update	Supports .iso image updates
Charging requirements	QC18W – 12 V / 1.5 A

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Battery	3.7 V lithium, 8000 mAh
Operating time	approx. 3 hours
Charging time	approx. 5 hours
Total power consumption	10 W
Cooling	passive (air)
Device dimensions	190 × 128 × 37 mm

Frequency response analyzer (FRA)

Excitation signal frequency 100 Hz ~ 50 MHz

Excitation signal amplitude 0 ~ 5 Vpp

Excitation signal offset -2.5 V ~ +2.5 V

Number of frequency points 20 ~ 500

Cursor measurement frequency / gain / phase

Operating mode single / cyclic

System calibration supported

Spectrum analyzer (SA)

Conversion method FFT

FFT length 4K ~ 32K

Frequency range 200 kHz ~ 350 MHz

Level range -60 dBmV ~ +260 dBmV

Cursor measurement frequency / amplitude

Marking parameter maximum energy harmonic

Waterfall graph supported

3D waterfall graph Supported

Auto adjustment Supported

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System calibration Supported

Oscilloscope

Number of channels	2
Bandwidth	350 MHz
Rise time	1 ns
Max. sampling frequency	1 GSa/s
Memory depth	60 kpts
Input impedance	1 M Ω / 14 pF
Time base range	5 ns ~ 50 s
Time base (roll)	50 ms ~ 50 s
Vertical sensitivity	2 mV ~ 20 V (1 $\times$)
Vertical range	16 mV ~ 160 V (1 $\times$)
DC accuracy	$\pm 2\%$
Time accuracy	$\pm 0.01\%$
Input coupling	DC / AC
Background grid	display / hide
Waveform shift	coarse / fine adjustment
Overvoltage protection	up to 400 V
Waveform brightness	adjustable
FFT display	supported
Digital fluorescence	supported
Probe attenuation	1 $\times$ / 10 $\times$ / 100 $\times$
Hardware bandwidth limit	150 MHz / 20 MHz
High resolution mode	8 bit ~ 16 bit
Parameter measurements	12 types
Cursor measurement	time, period, frequency, level, voltage
Trigger detection	digital

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Trigger channel	CH1 / CH2
Trigger mode	Auto / Single / Normal
Trigger edge	Rising / Falling
Trigger attenuation	L1 ~ L3
Trigger level	Manual / Auto (10% ~ 90%)
Screenshot recording	90 images
Waveform recording	500 sets
Color temperature display	Supported
X-Y mode	Supported
Time base zoom	Supported
One-key auto adjustment	Supported
One-key zero return	Supported
Data browser	Supported

Signal generator (SG)

Waveform types	14 standard + captured waveform
Frequency	0 ~ 50 MHz (sine), other waveforms up to 10 M / 5 M / 3 M
Amplitude	0 ~ 5 Vpp
Offset	−2.5 V ~ +2.5 V
Duty cycle	0.1% ~ 99.9%
Frequency resolution	1 Hz
Amplitude resolution	1 mV
Offset resolution	1 mV
Duty cycle resolution	0.1%

Stored custom waveforms 500 sets

GPSR Link: https://psr-assets.innpro.pl/car_accessories/sg_car_accessories_diagnostic_tools.pdf, Net weight: 755, Box length: 24,00, Box width: 18,00, Box height: 10,50, Gross weight: 1620, PPWR: <https://ppwr.innpro.pl/fnirsi>

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