Fnirsi 1014d 2 in 1 7in Digital Oscilloscope Input Signal Generator 1gb Storage

Produktkode: 931aa
Tilgjengelighet: Opp til 1 mnd leveringstid

Pris: ~~kr. 3.500,00~~ **kr. 2.800,00**

Short Description
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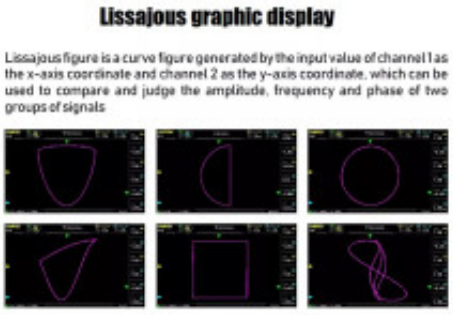
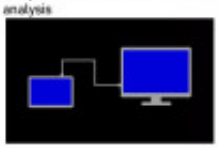
Beskrivelse
With 100MHz 2 ana-log bandwidth and @ 1GSa/s sampling rate?1X = 5MHz, 10X = 100MHz). Ana-log band width: 100MHz 2. 2 Matching 100MHz Probe (1X and 10X?. 1 FNIRSI-1014D Digital oscilloscope Host.

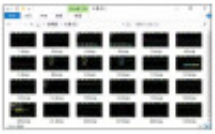
Product Gallery



USB image export

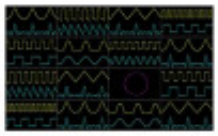
The fuselage is equipped with USB interface, which can connect the computer to realize the sharing of its own screen capture pictures and computers. After connecting the computer, the oscilloscope will exist in the form of U disk. The computer can find the screen capture pictures of the oscilloscope in the folder of the removable disk, copy the pictures to the computer or send them to the mobile phone, so as to facilitate secondary analysis





Powerful wave image manager

The wave image manager provides powerful wave data and image management capabilities, and supports the browsing, viewing, measuring parameter viewing, page turning, deleting and other operations of the file thumbnail. Just like the image viewer on the mobile phone, the wave viewer can conduct secondary analysis on the saved wave data, including zooming, panning, cursor measurement, screen capture and other operations Users provide a very convenient platform for file management after storage, which is much more flexible than other ordinary oscilloscopes



Manual cursor measurement

When the test signal noise is too large or contains the square wave of the peak signal, the parameters automatically measured by the system will be affected and become inaccurate, so it is necessary to manually read the amplitude or period of the signal to calculate its peak value and frequency. With the cursor function, it is easy to manually read the value, and there is no need to read the background scale unit and number, and there is no need to carry out the calibration The peak to peak value and frequency can be obtained directly by conversion, which is very convenient

Parameter

Model	FNIRSI-1014D	Highest test voltage	1X：40V 10X：400V
Channels	2	Cursor	Position XY Trigger Y
LCD size	7 Inch	Roll mode	Support
LCD Resolution	800 × 480	One-button AUTO	Support
Display technology	LCD	Waveform storage	1000 pictrure + 1000 waveform
Bandwidth	100MHz	Waveform manager	Support
Sampling Rate	1GSa/s	Voltage accuracy	± 3%
Rise time	< 3nS	Frequency Precision	±0.01% High precision
Storage depth	240Kbit	Parameter	12 kinds in total
input resistance	1MΩ	Generator	14 kinds in total
Sensitivity	10mV ~ 50V	Capture output	Support
Time base	5nS ~ 10nS	Extension	USB export
Trigger mode	Single/Normal/Auto	Power supply	9V 2A/3A/4A
Trigger edge	Rising / Falling	Dimensions	310mm × 145mm × 70mm
coupling	AC/DC	Accessories	100M Probe × 2, USB Charger, User Manual

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Complete trigger function

It has three trigger modes: automatic, single trigger mode and normal trigger mode. Single trigger mode tests sudden aperiodic burst signal, such as automobile ignition signal; normal trigger mode tests aperiodic digital logic signal, such as infrared remote control signal; automatic trigger mode tests periodic analog signal, such as sinusoidal signal; it is widely used

Targeted high intelligence decoding algorithm

The encoder (knob) of desktop oscilloscopes below 10000 yuan will start to have poor halogen or oxidation contact after about one year of use. A large number of burr logic will be generated during rotation operation, which makes the oscilloscopes unable to operate normally. As soon as the adjustment is made, the oscilloscopes will jump wildly and can no longer be used. This is an unsolvable hardware problem, but ads1104d is specially designed to solve this problem.Don't analyze and finally develop a perfect decoding algorithm to solve this problem. Even if the encoder is completely broken, it will not affect the normal use of the oscilloscope at all. Replacing the encoder that can't be used by ordinary oscilloscope with ads1104d still runs perfectly and operates correctly, getting rid of the limitation of the encoder's short life

One button automatic adjustment

There is no need for tedious manual adjustment, one button automatic adjustment, built in high-efficiency tracking control algorithm, automatic identification of signal characteristics, adaptive 25%, 50%, 75% trigger level, even for the dead zone signal or multi-edge signal can be adjusted, other desktops can not do anything; high accuracy of adjustment, the adjusted waveform appears in the center of the screen (when starting dual-channel, channel 1 waveform is on the screen) It takes only 2 seconds to automatically adjust the 1V peak to peak signal, and it takes about 5 seconds for general desktop oscilloscope. The larger the amplitude of the measured signal is, the shorter the adjustment time is

7-inch HD large screen

7-inch 800 * 480 resolution color TFT LCD, bright color, high contrast

Dual channel input

It has two input channels with an input impedance of 1m ohm. It can measure two groups of different signals at the same time. It can compare the two groups of input signals to judge and analyze the problems, such as the comparative analysis of the input and output signals of the power amplifier unit to test its amplification factor, distortion degree and output internal resistance, or the test of complementary PWM signals of half bridge full bridge switching power supply, compared with the single channel It has more extensive application

Intelligent anti burning

The two groups of input channels have built-in high-voltage protection module, which can tolerate up to 400V voltage input. There is no need to worry about the oscilloscope burning accident caused by the probe not being moved to 10x position when measuring high voltage

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7-inch 800 * 480 resolution color TFT LCD, bright color, high contrast

Industry's original【Capture output】function

Capture output is to intercept part or the whole part of the complex signals from the oscilloscope as the output signal of the signal generator. It can store up to 1000 customized signals. It is different from the traditional arbitrary signal generator. Arbitrary signal generator can only describe the signal manually, with subjectivity and large characteristic distortion, but the interceptor output can intercept the signal The frequency can be adjusted freely in the range of 1Hz ~ 1MHz (@ 2.4vpp), and the resolution is as high as 1Hz, which has played a great help in many test and analysis occasions. At present, no professional oscilloscope or professional signal generator has this function

Built in DDS function signal generator

14 standard signals (@ 5vpp), including sine wave, square wave, triangle wave, sawtooth, anti sawtooth, ladder wave, half wave rectification, full wave rectification, exponential wave, logarithmic wave, pair index, open square wave, multi audio, sink pulse wave, as well as a cut-off output function that can customize the output signal freely, in which the sine wave frequency can reach 10MHz at most, and other standard signals can reach 2MHz, cut-off frequency can reach 2MHz The wave output device can reach 1MHz at most, and the frequency resolution of all signals can reach 1Hz (step). It is not the half frequency step mode of half frequency division produced by other handheld devices

Anti-burn | Auto set | Screenshot | Picture viewer | USB export | 7-inch screen | Gen Output | FFT display | X-Y mode | Capture output

Debugging weapon

- Oscillating circuit
- Opamp circuit
- Inverter circuit
- PWM driver
- Mains measure
- Switch circuit
- Digital circuits
- Bus circuit

thin Dual Channel Oscilloscope
Engineer R & D weapon