

FNIRSI | **2C53P**
50M dual-channel flat-panel oscilloscope

3 IN 1 DUAL CHANNEL DIGITAL OSCILLOSCOPE & MULTIMETER

三合一双通道数字示波表



**BANDWIDTH
50MHz**
带宽50MHz



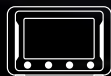
**4½-DIGIT
MULTIMETER**
四位半万用表



**10M SIGNAL
GENERATOR**
10M信号发生器



**TOUCH
SCREEN CONTROL**
触摸屏控制



50M dual-channel flat-panel oscilloscope

INTRODUCTION | 产品简介

FNIRSI-2C53P is a dual-channel digital oscilloscope with comprehensive functions and high practicality. This device has 3 major functions: 1. The oscilloscope adopts FPGA+MCU+ADC hardware architecture, has a sampling rate of 250MS/s, an analog bandwidth of 50MHz, and supports a peak voltage measurement of $\pm 400V$; It supports waveform screenshots, saving, and viewing; 2. Built-in 4.5-digit 19999-point true RMS multimeter, supports AC and DC voltage and current measurements; 3. The built-in function signal generator can output 12 kinds of function signals, with a maximum output frequency of 10MHz, and the output frequency, amplitude, and duty cycle are adjustable. It uses a 4.3-inch 480*272 resolution touch display and a built-in 4000mAh rechargeable lithium battery which makes standby time up to 4 hours. It is an ideal multifunctional instrument for electronic maintenance personnel and electronic major students.

FNIRSI-2C53P是一款功能全面，高实用性的双通道数字示波器。该设备具备集合了三大功能：1、示波器采用FPGA+MCU+ADC硬件架构，具有250MS/s的采样率，50MHz模拟带宽，最大支持 $\pm 400V$ 的峰值电压测量；支持波形截图、保存、查看；2、内置4位半19999点真有效值万用表，支持交直流电压电流测量；内置函数信号发生器，可输出12种函数信号，输出最大频率10MHz，输出频率、幅值、占空比可调。使用4.3寸480*272分辨率触摸屏显示屏，内置4000mAh可充电锂电池，待机时间长达4小时。对于电子维修人员和电子专业学生来说是一台理想的多功能仪表。



20MHZ BANDWIDTH LIMIT

20MHz带宽限制



IPS COLOR TOUCHSCREEN

IPS彩色触摸屏



MATHEMATICAL ALGORITHM

数学运算

TECHNICAL SPECIFICATIONS

产品参数

Basic parameters 基础参数	Model 型号	FNIRSI-2C53P	Screen 屏幕	4.3 inch 4.3寸	Size 产品尺寸	145*98*35mm	Battery 电池容量	4000mAh
Oscilloscope 示波器	Band Width & Sampling Rate 带宽采样率	50MHz 250MSa/s	Storage Depth 储存深度	Up to 64kByte 最高64kByte	Bandwidth limit 带宽限制	Support 20MHz limit 支持20MHz限制	Waveform Display Mode 波形显示模式	YT/XY/scroll YT/XY/滚动
Multimeter 万用表	Voltage 电压	DC 1000V AC750V	Current 电流	10A	Resistance 电阻	20MΩ	Capacitance 电容	100mF
Signal generator 信号发生器	Output signal type 输出信号类型	12种	Waveform Frequency 波形频率	0-10MHz	Waveform Amplitude 波形幅值	0.1-3.3V	Square Wave Duty Cycle 方波占空比	0-100%