

Comes with 1KHz calibration square wave

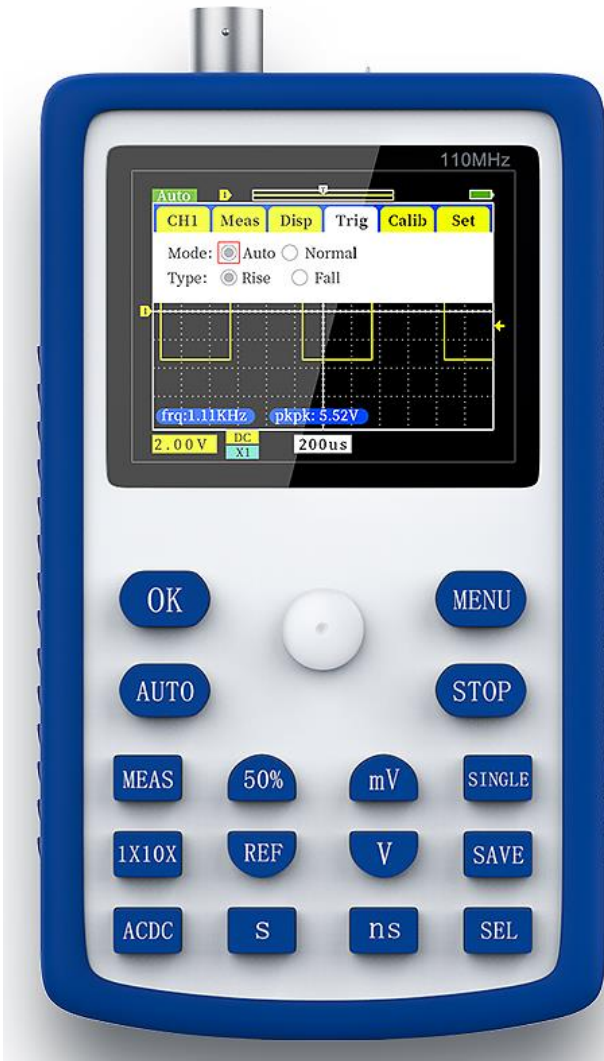
Bandwidth **110M**

Sampling Rate **500MS/S**

Super cost-effective  
100M oscilloscope







## Multifunctional High precision

One key automatic

Waveform analysis

Waveform save

Reference waveform

Intelligent anti-burn

## Wide range of applications

Home appliance testing

Car diagnosis

Research education

Product development

Mains measurement







## 1C15

FNIRSI-1C15 Professional Digital Oscilloscope 500MS/s Sampling Rate 110MHz Analog

Bandwidth Support Waveform Storage

Previous: 1013D

Next: FNIRSI-1C15 Professional Digital Oscilloscope 500MS/s Sampling Rate 110MHz Analog Bandwidth Support Waveform Storage

# Service Principle

---

**We adhere to a principle:  
focus on the interests of customers, provide  
customers with quality services, and make  
every customer feel at home.**

# Technical Support

---

**We will provide technical support and  
after-sale guarantee for all customers who  
purchase our products and have any problems  
during the use process, let you buy joy, use  
comfort, and after-sales rest assured.**

**Scan the QR code of the technical exchange  
group below.**



# Technical Support

---



## **Guarantee genuine**

Official authentic, complete accessories.



## **Professional certification**

CE certification, quality assurance.



## **Service in place**

Fast delivery.

# FNIRSI instruments, the gospel of electronic engineers Service Principle



FNIRSI-1C15 is a fully functional, Strong practicality, For maintenance, A cost-effective oscilloscope for R&D and education industries.





# patent certificate



Patent certificates

FNIRSI-1C15 has multiple patent certificates and professional certification certificates such as CE certification. For other non-patented products, FNIRSI instruments are more trustworthy.



# Handheld oscilloscope



110MHz

Bandwidth

500MS/S

Sampling  
Rate

±400V

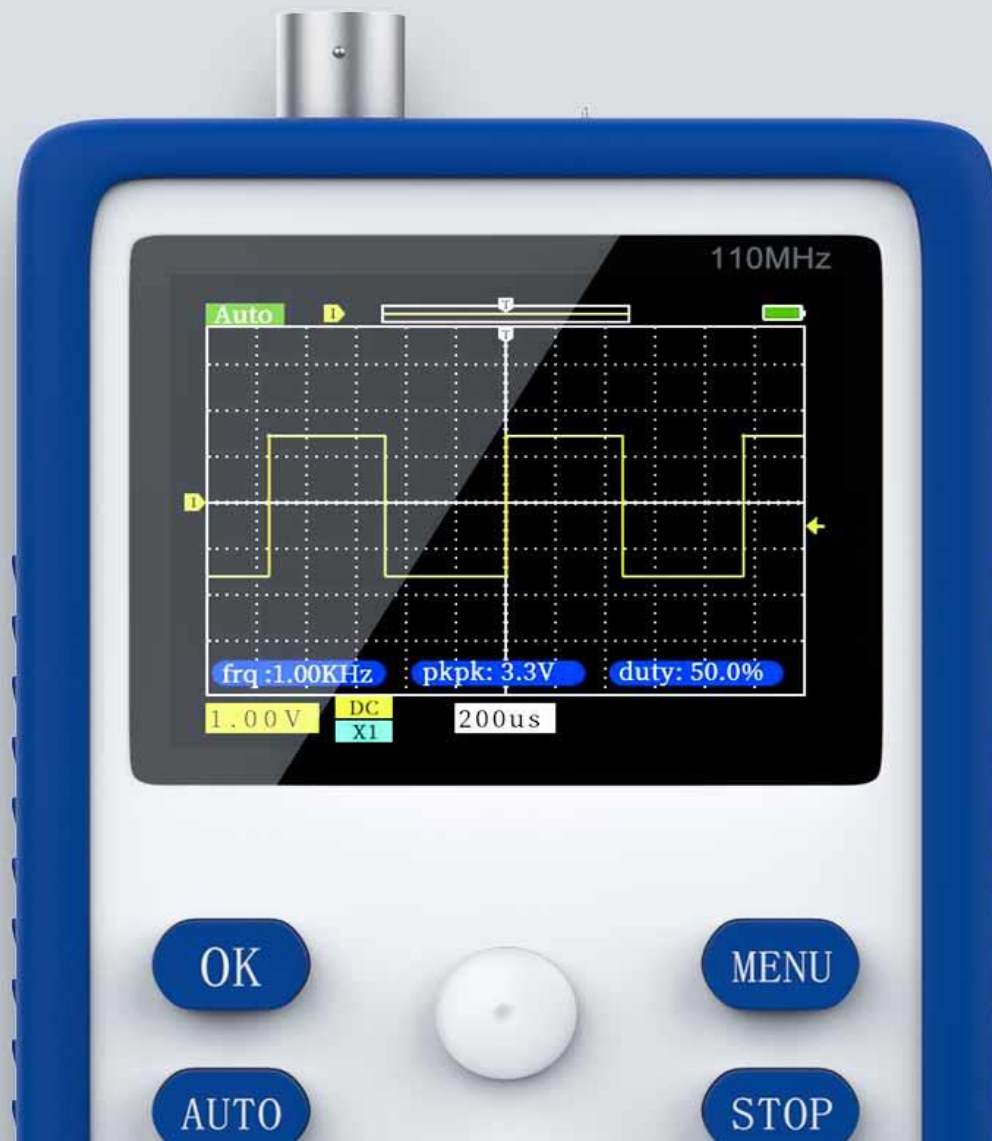
Measuring  
voltage



# Comes with 1KHz square wave test signal



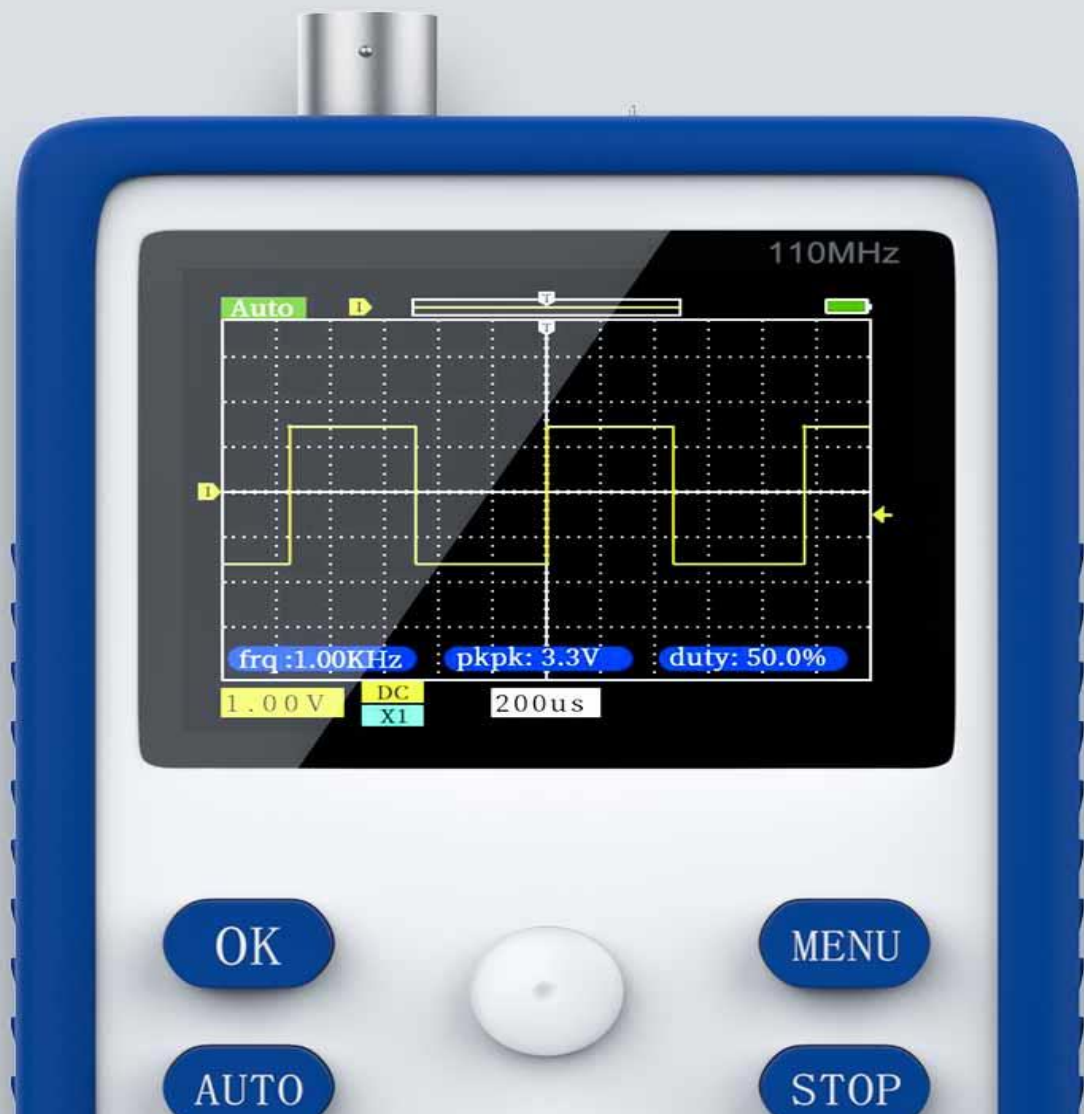
Just connect the probe to the calibration terminal to see this waveform on the screen, and calibrate the oscilloscope or probe based on this waveform parameter.



# Comes with 1KHz square wave test signal



Just connect the probe to the calibration terminal to see this waveform on the screen, and calibrate the oscilloscope or probe based on this waveform parameter.



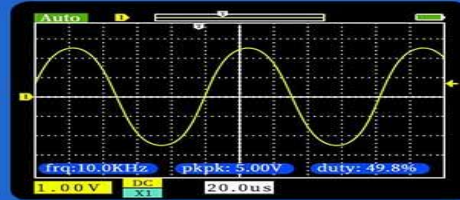
# High-end quality Hard core material



It adopts eight-way stick-style game rocker, waterproof conductive silicone buttons, anti-skid, drop-proof and shock-absorbing silicone cover, which can hide the bracket, and truly achieve a ten-year service life.

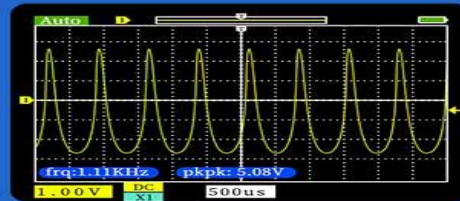
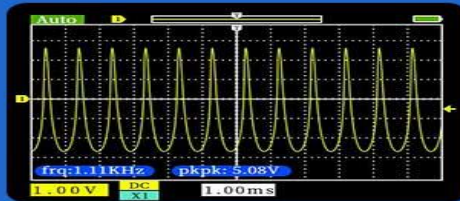


# Stable performance, Tough



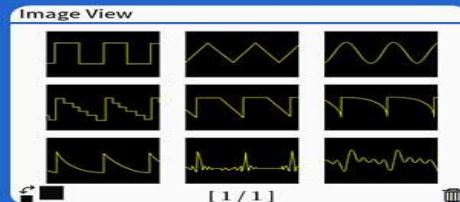
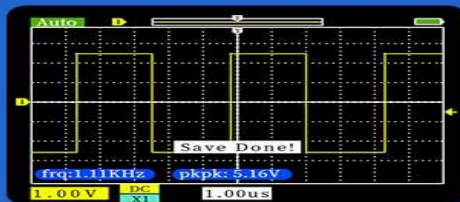
Wave form move

...



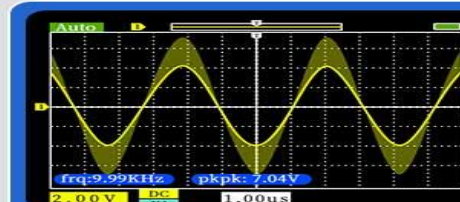
wave form expand

...



Waveform save, waveform view

...



Waveform lock,  
reference waveform

White is the locked waveform

Infinite persistence mode

Through the persistence mode, you can capture occasional waveforms. Use persistence to measure noise and jitter, view the worst-case conditions of changing waveforms, find timing violations or capture rare events.

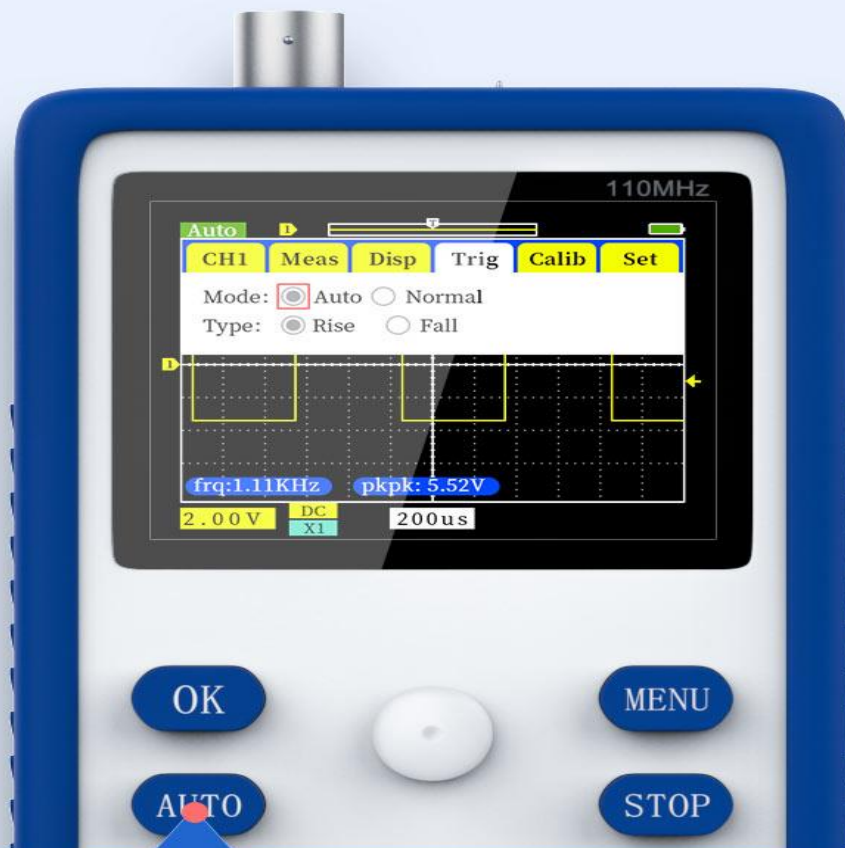
# Comprehensive trigger mode



**Auto trigger**-----automatically trigger periodic signals,such as sine waves;

**Normal trigger**----test digital logic signals, such as infrared remote control signals;

**Single trigger**-----test unexpected non-periodic signals, such as car ignition signals .



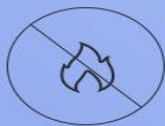
## One key automatic regulation

After pressing the "AUTO" key,The oscilloscope will automatically measure the amplitude and frequency of the waveform,And automatically adjust the horizontal scale and vertical scale so that the waveform is displayed in the middle of the screen.

# The design scheme is more reasonable and the equipment performance is more stable



FNIRSI-1C15 adopts FPGA+ARM+ADC (MCU) design scheme. Compared with the oscilloscope using ARM+ADC scheme, our oscilloscope has more stable performance and higher accuracy.



Intelligent anti-burn

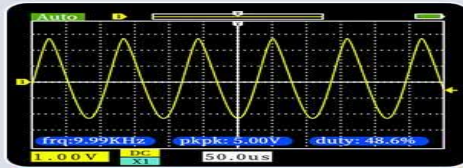


Chinese and English switching



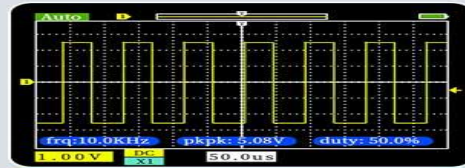


# 14 kinds of waveform measurement, measurement response freely



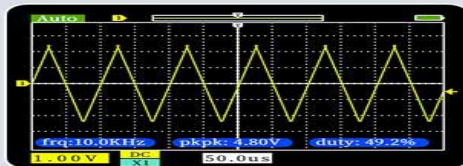
Sine wave

...



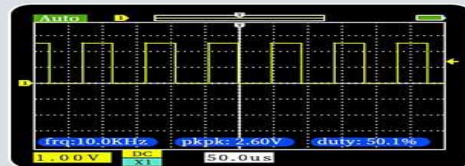
Square wave

...



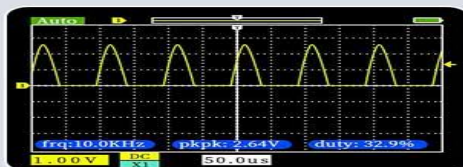
Triangle wave

...



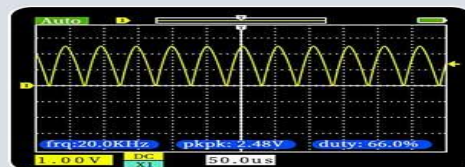
CMOS wave

...



Half wave

...



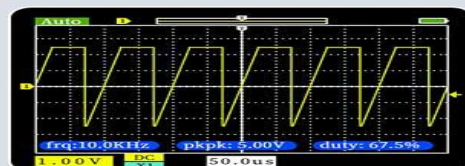
Full wave

...



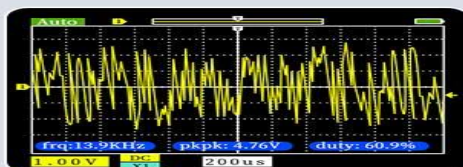
Step wave

...



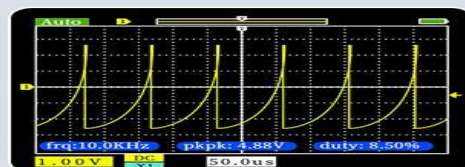
Trapezoidal wave

...



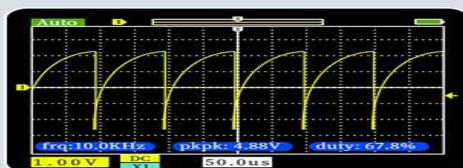
Noise wave

...



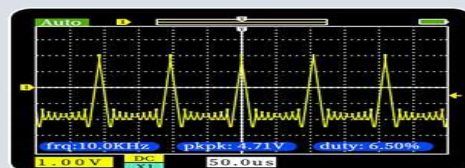
Exponential rise and fall

...



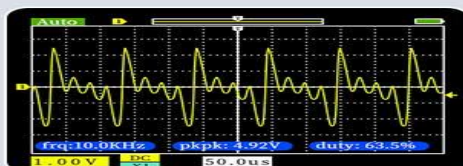
Logarithmic rise and fall

...



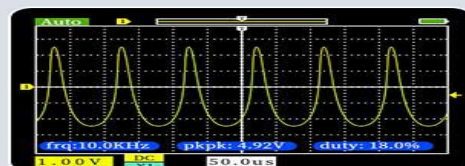
Cinke pulse wave

...



Multi-audio

...



Lorentz

...

**Small and exquisite,  
shockproof and  
drop-proof**





**Access  
method**

---



**Power  
switch**

---



**Removable  
sheath**

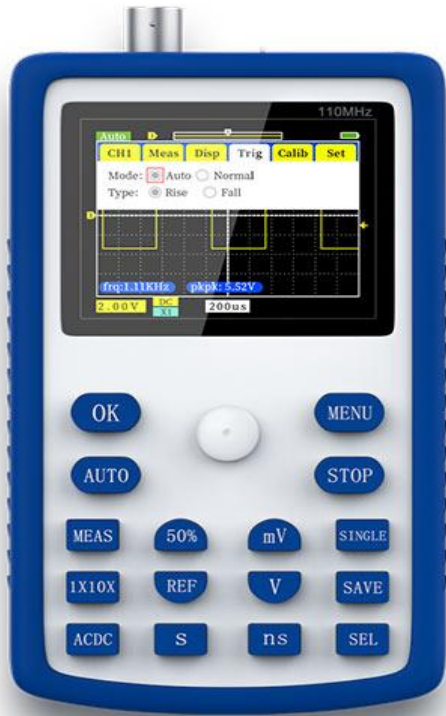
---

# Product parameter



Model FNIRSI-1C15	Channel coupling AC/DC	Time base range 5ns-10s	Single trigger support
Number of channels 1	One key automatic support	Input resistance 1MΩ	50%/back to middle support
Screen size 2.4inches	Waveform measurement 14 types	Trigger mode Auto/Normal/single	Operation method Button + joystick
Screen Resolution 320*240	Measurement accuracy ±2%	Trigger type Rising edge/falling edge	Waveform analysis Support drag/expand
Analog bandwidth 110M	Reference waveform support	Display mode YT/Scroll	Language Chinese / English
Sampling Rate 500M	Waveform save support	Afterglow time None/1s/∞	appearance size 130*76*27
Rise Time <3ns	Frequency accuracy ±0.01%	charging method 5V/800mA	battery capacity 3000mAh
Storage depth 240kpts	Vertical sensitivity 20mV/div ~100V/div	Voltage measurement range ±40v (x1 file) ±400v(x10 file)	Accessories High voltage probe / alligator clip probe / data cable / charger / Electronic file manual





All rights reserved: SHENZHEN FNIRSI TECHNOLOGY CO.,LTD