

2013
|
2025
9th edition

FNIRSI



2025 Products Catalog

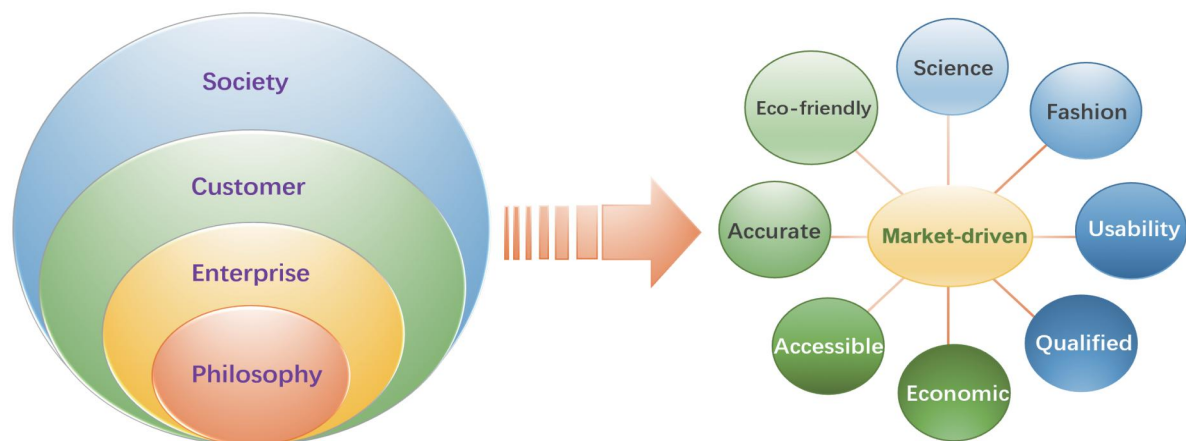
Shenzhen FNIRSI Technology Co., Ltd.

What makes us work hard?

FNIRSI upholds the spirit of "Science, Create and Dream "

We aim to create a diverse range of products to serve humanity across various sectors, including electronics and electrical industries, educational initiatives, household tools, factory manufacturing, and environmental protection. Our mission is to design superior products and solutions through exceptional craftsmanship and innovative technology, with a focus on design aesthetics and practical applications, ultimately creating outstanding customer experience. We believe that every talented employee deserves respect and recognition for their dedication and creativity. FNIRSI is committed to providing young people with opportunities to realize their dreams alongside us.

For social responsibility, FNIRSI will enhance testing efficiency and accuracy, support electronics and electrical engineering education, and promote harmony with the environment. We commit to environmental protection, employee welfare, customer satisfaction, and fair competition.



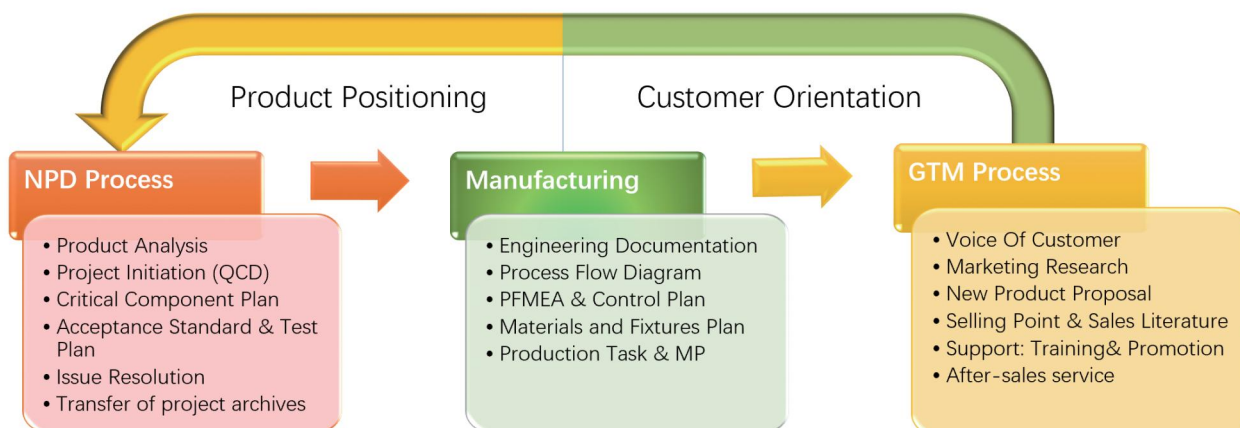
What drives our rapid growth?

Product Positioning

- Targeted Innovation: Develop products specifically for electronics enthusiasts, students, professionals, and home repair electricians to ensure market relevance.
- Quality Assurance: Ensure products are reliable, and technologically advanced to attract discerning customers.
- Design Excellence: Focus on functional and user-friendly design to make products stand out in the market.

Customer Orientation

- Voice Of Customer: Collect and analyze customer feedback to adjust products and services
- Exceptional Support: Provide fast and effective customer service to increase satisfaction.





YOUR SUPERIOR TESTING EXPERT

ABOUT US

FNIRSI is a rising star company in the test instrumentation industry. We focus on innovation and technological development, dedicated to creating modern, high-performance, and affordable integrated solutions for user. Our technology-infused design, coupled with user-friendly UI, provide user a refreshing experience. Consistently adhering to the philosophy design of simple, convenient, professional, efficient, and youthful, FNIRSI garnered significant user favor in these years.

FNIRSI prioritizes customer experience and our creation, so far R&D team comprises over 50 members. The product lines are encompassing in electronics, environmental testing, home decoration measuring, automotive maintenance, and outdoor tools. FNIRSI is a company integrates R&D, manufacturing and sales. With years of effort, FNIRSI provides comprehensive solutions such as online-retail, global distribution and ODM/OEM customized services etc..



FNIRSI

50+

R&D personnel

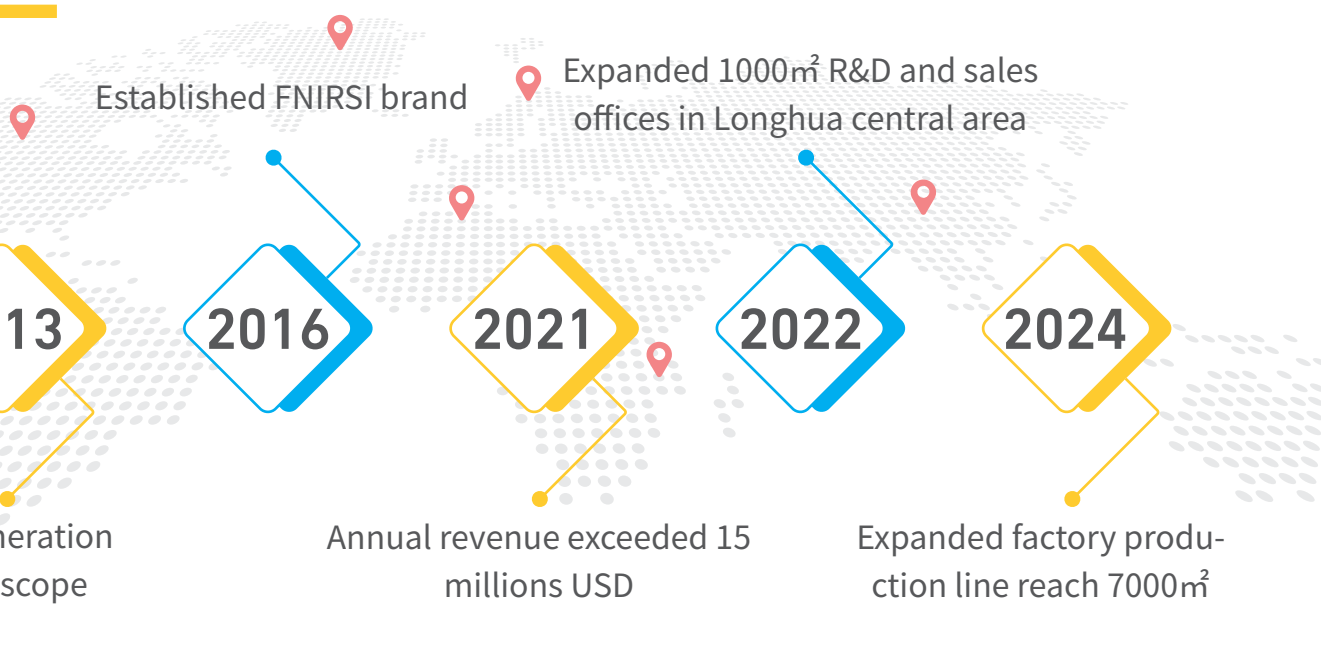
7,000m²+

Factory production line

50+

Shipped countries

THE ROAD OF 10 YEARS





CONTENTS

Released in Apr., 2025

01

ELECTRONIC AND ELECTRICAL TESTER

- 04 ● **1014D** Bench-top 2 In 1 Oscilloscope
- 05 ● **1013D** Tablet Oscilloscope
- 06 ● **DPOS350P** 4-in-1 Multi-Function Tablet Oscilloscope **NEW**
- 08 ● **2C53P** Tablet 3 In 1 Oscilloscope
- 10 ● **DPOX180H** Handheld 2 In 1 Digital Phosphor Oscilloscope
- 12 ● **2C53T** Handheld 3 In 1 Oscilloscope
- 14 ● **2C23T** Handheld 3 In 1 Oscilloscope
- 16 ● **1C15&5012H** Handheld Digital Oscilloscope
- 17 ● **DS215H** 2-in-1 Dual-channel Portable Oscilloscope **NEW**
- 18 ● **DSO-TC4** Multifunctional Transistor Oscilloscope **NEW**
- 20 ● **DSO-TC3** MINI Type 3 In 1 Pocket Oscilloscope
- 22 ● **DSO152 & DSO153 & DSO510** MINI Type Pocket Oscilloscope
- 24 ● **DST-201&DST-210** 3-IN-1 Multifunction Multimeter Oscilloscope **NEW**
- 26 ● **TIM120P** Thermal Imager Multimeter **NEW**
- 27 ● **DMT-99** Digit Multimeter
- 28 ● **S1** Digit Multimeter
- 29 ● **MT-40** Smart Digital Multimeter **NEW**
- 30 ● **DMC-100** Clamp Type Multimeter **NEW**
- 31 ● **MC-40** Smart Digital Clamp Meter **NEW**
- 32 ● **MRT-1050 & MRT-2050** Insulation Resistance Tester **NEW**
- 34 ● **SG-003A & SG-004A** Signal Generator Process Calibrator
- 36 ● **IPS3608** DC Intelligent Power Supply **NEW**
- 38 ● **DPS150** Programmable DC Power Supply

- 40 ● **LPM-10A&B&C** Multifunction Cable Tracker **NEW**
- 42 ● **FNAC28 & FNB48P & FNB58** USB Protocol Tester
- 44 ● **HRM-10** Battery Internal Resistance Testers
- 45 ● **LCR-P1** Transistor Tester
- 46 ● **LCR-ST1** Tweezer-Type LCR Bridge

47

AUXILIARY TOOLS

- 48 ● **DWS-200** High-power Precision Soldering Station
- 49 ● **SWM-10** Spot Welding Machine
- 50 ● **HS01 & HS02A/B** Portable Soldering Iron
- 52 ● **WD-01 & WD-02** Wall Detector Scanner
- 53 ● **IR40** 40M Smart Rangefinder
- 54 ● **NVS-20 & NVS-40** Night Vision Device
- 56 ● **CTG-20** Coating Thickness Gauge
- 57 ● **FD10** Bluetooth OBD II Diagnostic Tool

58

ENVIRONMENTAL DETECTOR

- 60 ● **SFD-02** Formaldehyde Detector **NEW**
- 61 ● **GD-02** Color Screen Combustible Gas Detector **NEW**
- 62 ● **GC-01 & GC-02** Nuclear Radiation Detector
- 63 ● **GC-03** Multifunctional Ionizing Radiation Detector **NEW**
- 64 ● **ERD-10** Electromagnetic Radiation Detector **NEW**
- 65 ● **FDM-02&FDM-01** Color Screen Digital Sound Level Meter **NEW**
- 66 ● **FAM-02** Digital Anemometer **NEW**
- 67 ● **FPM-02** Color Screen Lux Meter **NEW**
- 68 ● **JBM-10 & JBM-20** Sugar Meter
- 69 ● **WMT-10** Inductive Wood Moisture Meter
- 70 ● **WHD-02** Color Screen Pin-Type Wood Moisture Meter **NEW**



Oscilloscope

Type	Model	Band Width	Sampling Rate	Generator MAX Frequency	Other Function
Bench-top	※1014D	100MHz	1GSa/s	10MHz	/
	※1013D	100MHz	1GSa/s	/	/
Tablet	※DPOS350P	350MHz	1GSa/s	50MHz	Spectrum Analyzer + Freq. Response Analyze
	※2C53P	50MHz	250MSa/s	10MHz	Multimeter bit 4½
Phosphor Handheld	※DPOX180H	180MHz	500MSa/s	20MHz	/
Handheld	※2C53T	50MHz	250MSa/s	50kHz	Multimeter bit 4½
	※2C23T	10MHz	50MSa/s	2MHz	Multimeter bit 4
	※1C15	110MHz	500MSa/s	/	/
	※5012H	100MHz	500MSa/s	/	/
MINI pocket	※DS215H	50MHz	250MSa/s	50kHz	/
	※DSO-TC4	10MHz	48MSa/s	50kHz	Component tester
	※DSO-TC3	500KHz	10MSa/s	10kHz	Component tester
	※DSO510	10MHz	48MSa/s	50kHz	/
	※DSO153	1MHz	5MSa/s	10kHz	/
	※DSO152	200KHz	2.5MSa/s	/	/

Electrical Power Tool

Type	Model	Display Count	Overvoltage Category	Oscilloscope Bandwidth	Other Function
Oscilloscope Multimeter	※DST-210	20000	CAT IV 600V	10MHz 48MSa/s	/
	※DST-201		CAT III 1000V	1MHz 5MSa/s	
Thermal Imager Multimeter	※TIM120P	10000	CAT III 1000V	/	Thermal Imager
Digital Multimeter	※DMT-99	10000	CAT III 1000V	/	/
	※S1	10000	CAT III 1000V	/	/
	※MT40	4000	CAT III 600V	/	/
Clamp Meter	※DMC-100	10000	CAT III 1000V	/	/
	※MC-40	4000	CAT III 600V	/	/
Insulation Resistance Tester	※MRT-2050	2000	CAT III 600V	/	/
	※MRT-1050	2000	CAT III 600V	/	/

Signal Generator & Process Calibrator

※ SG-003A	0-24V adjustable Voltage, 0-24mA Current simulator, pulse waves generator : 0~9999Hz, + Process calibrator with battery 3.7V/3000mAh
※ SG-004A	0-24V adjustable Voltage, 0-24mA Current simulator, pulse waves generator : 0~9999Hz, Thermal resistance: Pt100: -200~650°C, CU50: -20~150°C, RES: 0~390Ω, WRE25/26; Thermocouple (mV) : TC-S/B/K/R/J/T/N + Process calibrator with battery 3.7V/3000mAh

Programmable DC Power Supply


※ IPS3608	0~36V, 0~8A, 288W; Set value precision: 0.01V, 0.001A; readback value precision: Voltage $\leq \pm(0.3\%+3 \text{ bits})$; current $\leq \pm(0.15\%+5 \text{ bits})$; 8 protections with PD100 Plug
※ DPS150	0~30V, 0~5A, 150W; Set value precision: $0.1\% \pm 5\text{mV}$, $0.1\% \pm 3\text{mA}$; readback value precision; input $\leq 0.2\% \pm 5\text{mV}$; out put $\leq 0.1\% \pm 10\text{mV}$; out current $\leq 0.1\% \pm 5\text{mA}$, with 8 protections
※ DPS150 PD	0~30V, 0~5A, 150W; Set value precision: $0.1\% \pm 5\text{mV}$, $0.1\% \pm 3\text{mA}$; readback value precision; input $\leq 0.2\% \pm 5\text{mV}$; out put $\leq 0.1\% \pm 10\text{mV}$; out current $\leq 0.1\% \pm 5\text{mA}$, 8 protections with PD100 Plug

Cable Tracker
※ LPM-10 A/B/C
10 Test Functions

- Cable Tracing
- Length Testing
- Connector Testing
- Network Cable Speed Test
- Anti-Interference, No Noise
- Port Flashing
- Cable Pairing
- PoE Supply Testing
- NCV Detection
- Flashlight



USB Tester

Flagship Version With Metallic Sheen

FNB58 BT

Monitor: 4~28V,0~7A, 0~196W with resolution 0.00001 (V/A/W); 2.0 inch full-color TFT-LCD screen , support PD2.0/PD3.0/QC2.0/QC3.0, with blue-tooth fuction, metallic sheen

FN58

Monitor: 4~28V,0~7A, 0~196W with resolution 0.00001 (V/A/W); 2.0 inch full-color TFT-LCD screen , support PD2.0/PD3.0/QC2.0/QC3.0, metallic sheen

FNB48P BT

Monitor: 4~24V,0~6.5A, 0~156W with resolution 0.00001 (V/A/W); CNC Metal Shell,1.77 inch full-color TFT-LCD screen, support PD2.0/PD3.0/QC2.0/QC3.0, with blue-tooth fuction , metallic sheen

FNB48P

Monitor: 4~24V,0~6.5A, 0~156W with resolution 0.00001 (V/A/W); CNC Metal Shell,1.77 inch full-color TFT-LCD screen, support PD2.0/PD3.0/QC2.0/QC3.0,, metallic sheen

Economic Version

FNB48S BT

Monitor: 4~24V,0~6.5A, 0~156W with resolution 0.00001 (V/A/W); 1.77 inch full-color TFT-LCD screen , support PD2.0/

C1 BT

PD3.0/QC2.0/QC3.0, with blue-tooth function
Monitor: 4~20V,0~6.5A, 0~130W with resolution 0.00001 (V/A/W); 2.0 inch full-color TFT-LCD screen , support PD2.0/ PD3.0/QC2.0/QC3.0, with blue-tooth function

FNB-38

Monitor: 4~24V,0~5A, 0~120W with resolution 0.0001 (V/A/W); 1.44 inch full-color TFT-LCD screen, support QC4/ PD3.0/2.0



Battery Internal Resistance Testers

HRM-10

Auto/1V/10V/100V $\pm 0.5\%$, Auto/20m Ω /200m Ω /2 Ω /20 Ω /200 Ω $\pm 0.5\%$, 5 bit digit Battery Resistance Testers, with 3.7V/1000mAh lithium battery

Component Tester

LCR-P1

Triode;Diode;Zenor diode;JFET IGBT MIOSTET;Unidirect ional SCR/Bidirect ional SCR;Capacitor;Resistance;Inductor;Battery;Infrared Remote Control Decoding

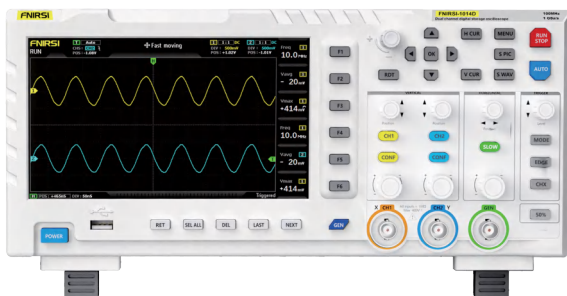
LCR-ST1

Capacitor(1pF-22mF); Inductor(1 μ H-10H); Resistor(10m Ω -10M Ω)



INTRODUCTION

The 1014D is a 2 in 1 Bench-top Oscilloscope with 100MHz bandwidth and 1GSa/s sample. It records up to 1000 frames, which can achieve better waveform analysis effects through playback and storage functions. The 1014D built in 10MHz wave Arbitrary Waveform Generator, waveform clipping output at 2.5VPP. The 1014D feature are excellent performance, reliable quality, and a wide range of functions. It's ideal for R&D designer to design and debug electronic circuits, suitable for higher education & laboratory to teach and best choice for electrician to diagnosis for troubleshooting and maintaining.



2 CH DIGITAL STORAGE OSCILLOSCOPE

- 2CH, 100MHz bandwidth, 1GSa/s sampling rate, 240kpts memory depth
- Supports X-Y mode, YT/Scroll Mode, FFT reviewing, displaying Lissajous Figures
- Capture waveform as source of Generator to output 1MHz
- Built-in Max 10MHz Waveform Generator, outputs 14 signals
- 7-inch TFT LCD Screen
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	100MHz	Channels	2CH
Sampling Rate	1GSa/s	Rise Time	<3ns
Memory Depth	240kpts	Waveform Capture Rate	50000wfms/s
Vertical Sensitivity	50mV/div-500V/div	Input Impedance	1MΩ
Time Base Scale	10ns/div~50s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Vpp, Max, Min, RMS(Vrm)s, Avg(Vavg), Peak, Freq, Cycle, Time+, Time-, Duty+, Duty- 12 types		

Waveform Generator

Max Frequency	10MHz	Channels	1CH
Vertical Resolution	1Hz	Modulations	Capture waveform as a source to output, 1MHz 2.4VPP
Frequency Characteristics	Sin: 10MHz 2.5VPP	Square: 2MHz 2.5VPP	
	Triangle: 2MHz 2.5VPP	Sawtooth: 2MHz 2.5VPP	
	Ladder: 2MHz 2.5VPP	Others: 2MHz 2.5VPP	
Waveforms	sine, square, triangle, sawtooth, anti sawtooth, ladder wave, half wave, full wave, exponential wave, logarithmic wave, log-periodic wave, square root wave, multi-tone signal, sync pulse wave; 14 types		

GENERAL CHARACTERISTICS

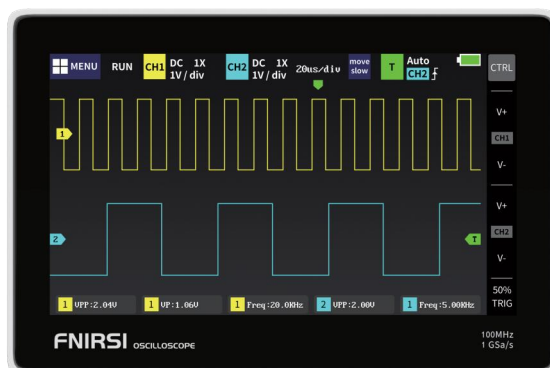
Product Color	White	Standard Carton	65*40*43cm
Product Size	310*145*70mm	Carton Gross Weight	17.1kg
Display	7-inch 800*480 TFT LCD Screen	Quantity Per Carton	10pcs
Product Net Weight	963g	Standard Accessories	Main device*1, P6100 Probe*2, Alligator Clip Probe *1, Charger(5V2A)*1, Power Cable*1, Data Cable*1, Manual*1

INTRODUCTION

The 1013D is a 2CH 100MHz tablet oscilloscope. It has 0.01% frequency precision and 7-inch sensitive touchscreen, supports XY mode, FFT analysis and displays Lissajous graphics. It is portable enough to meet different electronics testing scenes and can be continuously used for 4 hours, all these factors make it a high cost performance assistant of R&D engineers and high college students in electronics field.

FEATURES

- 2CH, 100MHz bandwidth, 1GSa/s sampling rate, 240kpts memory depth
- Supports X-Y mode, Scroll Mode, FFT reviewing, Lissajous Figures displaying
- Assisted cursor measurement
- 7-inch TFT LCD Touchscreen
- 4 hours battery endurance
- 1KHz self-calibration square waveform
- Languages: Chinese, English

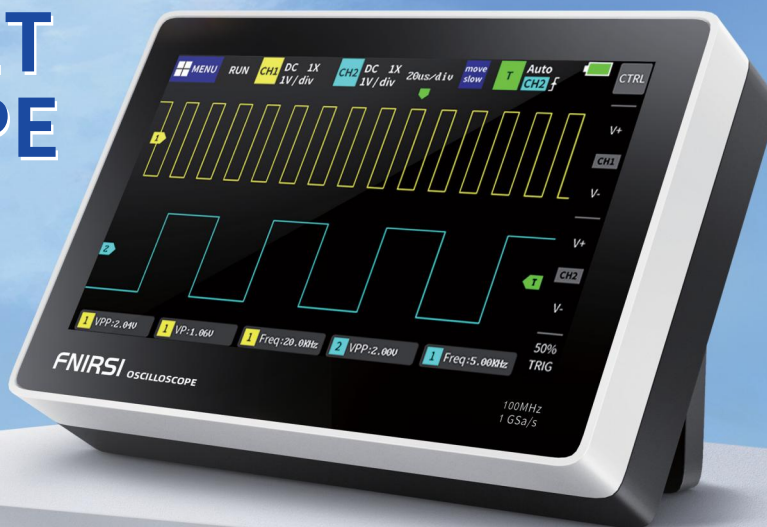


TOUCH TABLET OSCILLOSCOPE


100MHZ

1GS/S

6000MAH

AUTO


TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	100MHz	Channels	2CH
Sampling Rate	1GSa/s	Rise Time	<3ns
Memory Depth	240kpts	Waveform Capture Rate	50000wfms/s
Vertical Sensitivity	50mV/div-500V/div	Input Impedance	1MΩ
Time Base Scale	10ns/div-50s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Max, Min,Avg, RMS, Pk-Pk, Peak, Freq, Cycle, Time+, Time-, Duty+, Duty- 12 types		

GENERAL CHARACTERISTICS

Product Color	Black & White	Product Net Weight	604g
Product Size	184*124*40mm	Standard Carton	53.5*34*46.5cm
Display	7-inch 800*480 TFT LCD Touchscreen	Carton Gross Weight	20.85kg
Battery	3.7V, 6000mAh, Lithium battery, Standby time 4 hours	Quantity Per Carton	20PCS
Standard Accessories	Main device*1, P6100 Probe*2, Charger(5V2A)*1, Data Cable*1, Manual*1		

4-IN-1 MULTI-FUNCTION TABLET OSCILLOSCOPE



350MHz OSC



50M SG



200K-350MHz SA



100K-50MHz FRA



INTRODUCTION

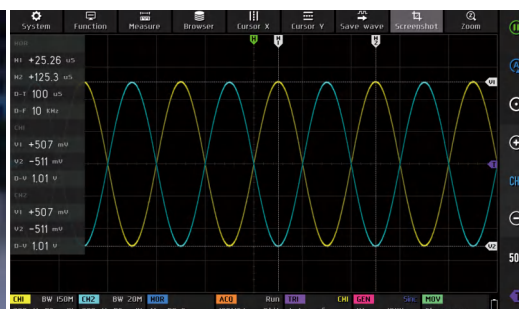
The DPOS350P is a high-performance 4-in-1 tool, combining a 350MHz dual-channel oscilloscope, 50MHz signal generator, 200K~350MHz spectrum analyzer, and 50MHz frequency response analyzer. With a 1GSPS real-time sampling rate, 350MHz bandwidth, and high waveform refresh rate, it efficiently captures and displays a wide range of signals, ideal for complex signal analysis and low-probability anomaly detection.

Equipped with a high-resolution display, touchscreen interface, intelligent triggering, and multiple measurement modes, the DPOS350P ensures precise, reliable testing in labs, production lines, and maintenance. Whether for high-frequency signal troubleshooting or routine R&D, it offers exceptional performance to boost productivity.

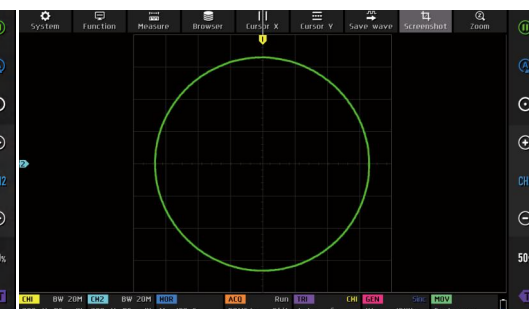


FEATURES

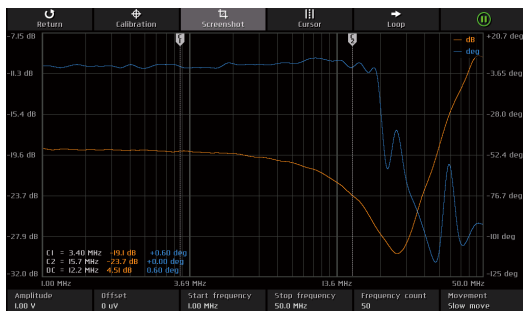
- One-stop integration 4 in 1, Oscilloscope/Signal Generator/Spectrum Analyzer/Frequency Response Analyzer
- Precise capture for low-probability anomaly signals with 350MHz bandwidth, 1GSa/s sampling rate, 50,000wfms refreshing rate
- 50MHz Signal Generator, support 14 types
- Spectrum Analyzer 200K~350MHz
- Frequency Response Analyzer 100Hz ~ 50MHz
- Next-level 8~16-bit technology
- Ultra-responsive 7" IPS Touch Screen
- Languages: Chinese/English/Russian/Portuguese



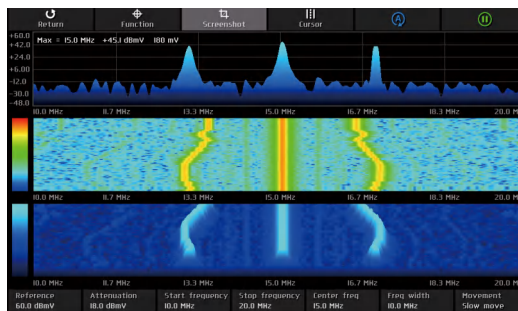
Cursor Measurement Interface



XY Mode Interface



Frequency Response Analyzer Interface



3D Waterfall Plot of the Spectrum Analyzer



TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	350MHz	Channels	2CH
Sampling rate	1GSa/s	Rise time	<1nS
Memory depth	60kpts	Waveform capture rate	50,000wfms
Vertical resolution	8~16 bit	Input impedance	1MΩ/14PF
Vertical sensitivity	2mV/div-20V/div	Trigger types	Auto/Normal/Single
Time base scale	10nS/div-50S/div	Trigger Detection	Digital Trigger
Cursor Measurement	Time, Cycle,Freq.,Level and Voltage	Bandwidth Limit	150M/20M
Waveform storage	500 groups	Screenshot Storage	90
Auto measurements	Vpp, Vmax, Vmin, Vrms,Vavg, Vp(Peak), Freq, Cycle, Time+, Time-, Duty+, Duty- 12 types		

Waveform Generator			
Max frequency	50MHz	Channels	1CH
Vertical resolution	1Hz	Modulations	Capture waveform as a source to output, 1MHz 2.4VPP
Frequency Characteristics	Sine:50MHz 5VPP	Square:10MHz 5VPP	Triangle:5MHz 5VPP
	Sawtooth:5MHz 5VPP	Anti-sawtooth:5MHz 5VPP	Ladder wave:5MHz 5VPP
	Half wave:10MHz 5VPP	Full wave:10MHz 5VPP	Exponential wave:3MHz 5VPP
	Ringing:50MHz 5VPP	Square root wave:3MHz 5VPP	Sine superposition: 5MHz 5VPP
	Sinc pulse wave:5MHz 5VPP	DC:5MHz 5VPP	Capture wave:3MHz 5VPP

Frequency Response Analyzer			
Excitation Frequency	100Hz~50MHz	Dynamic range	> 80 dB (typical)
Test amplitude range	0~5VPP	Frequency mode	Sweep or single
Measurements	Freq., Gain and Phase	Number of test points	20 to 500 points per decade

Spectrum Analyzer			
Frequency Range	200kHz~350MHz	Amplitude Range	-60dBmV ~ +260dBmV
Conversion Modes	FFT	Waterfall Plot	2/3D
Cursor Measurement	Frequency/Amplitude	System Calibration	✓
Auto Adjust	✓		

GENERAL CHARACTERISTICS

Product Color	Graphite Gray	Product Net Weight	755g
Product Size	190*128*37mm	Standard Carton	55*39*27cm
Display	7-inch 1024*600 IPS LCD Screen	Carton Gross Weight	14.1kg
Battery	3.7V/8000mAh Lithium battery, Standby time 3 hours	Quantity Per Carton	10PCS
Standard Accessories	Main device*1, 350M Probe*2, Alligator Clip Probe *1, Charger(QC18W)*1, Data Cable*1, Manual*1		

INTRODUCTION

The 2C53P is 3 in 1 tablet screen-touch oscilloscope. In handheld portable size, it is built in 50MHz oscilloscope testing 10 common parameters, 20000 count true RMS Multimeter, as well as 10MHz Waveform generator output 12 types function signal. IPS Touch-screen brings perfect operating and shows vivid waveforms. Multifunctions make it an excellent device for maintenance groups and students in electronics field. Fashionable, concise appearance and friendly UI interface become its additional advantages to be popular in the market.

FEATURES

- 4.3 inch Glass IPS Touch screen
- 50MHz bandwidth, 250MSa/s sampling rate, 2CH digital oscilloscope
- Built-in 10MHz MAX Waveform Generator with 12 signals output
- Built-in 4½ bit digit multimeter
- 4 hours standby time with 3.7V/4000mAh lithium battery
- Languages: English, Russian, Spanish, Portuguese, Deutsch, Korean, Japanese, Chinese



3 IN 1 DUAL CHANNEL DIGITAL OSCILLOSCOPE & MULTIMETER



**BANDWIDTH
50MHZ**



**4½-DIGIT
MULTIMETER**



**10M SIGNAL
GENERATOR**

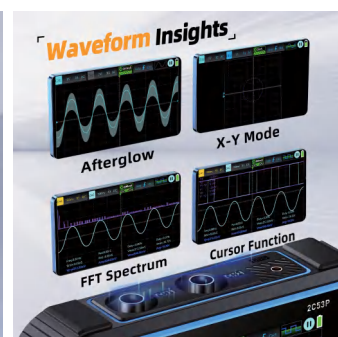


**TOUCH
SCREEN CONTROL**



50M dual-channel flat-panel oscilloscope





TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	50MHz	Channels	2CH
Sampling Rate	250MSa/s	Memory Depth	64kByte
Limited Bandwidth	20MHz	Input Coupling	DC, AC
Vertical Sensitivity	10mv/div - 10v/div	Trigger Types	Auto/Normal/Single
Time Base Scale	10ns/div - 10s/div	Input Impedance	1MΩ
Max Input Voltage	±400V	Waveform Math	+, -, ×, ÷, reverse, ABS, FFT
Auto Measurements	Max, Min, Avg, RMS, Amp, Pk-Pk, Freq, Cycle, Duty+, Duty-, Width+, Width-, 12types		

Waveform Generator			
Max Frequency	10MHz	Channels	1CH
Sampling Rate	100MSa/s	Resolution	1Hz
Vertical Resolution	8 digit	Wave Length	512pts
Waveforms	Sine, square, sawtooth, half wave, full wave, positive step, negative step, DC signal, exponential rise, exponential fall, multitone, and sync pulse; 12 types		
Frequency Characteristics	Sin: 1Hz~10MHz	Square: 1Hz~5MHz	
	Sawtooth:1Hz~10MHz	Half wave: 1Hz~5MHz	
	Full wave:1Hz~5MHz	Other 7 waves: 1Hz~5MHz	

Digit Multimeter			
Reading Resolution	4½	Display Count	20000 count
DC Voltage (V)	1.9999V/19.999V/199.99V/1000V ±(0.5%+3)	AC Voltage (V)	1.9999V/19.999V/199.99V/750.0V ±(1%+3)
DC Current (A)	19.999mA/199.99mA/1.9999A/9.999A ±(1.2%+3)	AC current (A)	19.999mA/199.99mA/1.9999A/9.999A ±(1.5%+3)
Resistance (Ω)	19.999MΩ/1.9999MΩ/199.99KΩ/19.999KΩ ±(1.5%+3); 1.9999KΩ/199.99Ω ±(0.5%+3)		
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999μF/99.99μF/999.9μF ±(2.0%+5); 9.999mF/99.99mF ±(5.0%+20)		
Frequency (Hz)	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Acc: ±(0.1%+2)		
Temperature	(-55~1300°C)/(-67~2372°F) Acc: ±(2.5%+5)		
Diode	✓	Continuity Test	✓
NCV	✓	Live	✓

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	364g
Product Size	145x98x35mm	Standard Carton	48*29.5*38cm
Display	4.3-inch IPS Tempered Glass Touchscreen (480 x 272)	Carton Gross Weight	15.5kg
Battery	3.7V, 4000mAh, Lithium battery, Standby time 4 hours	Quantity Per Carton	20PCS
Languages	English, Russian, Spanish, Portuguese, Deutsch, Korean, Japanese, Chinese		
Standard Accessories	Main device*1, P6100 Probe*2, Alligator Clip Probe *1, Multimeter Probe*1, Data Cable*1, Manual*1		

INTRODUCTION

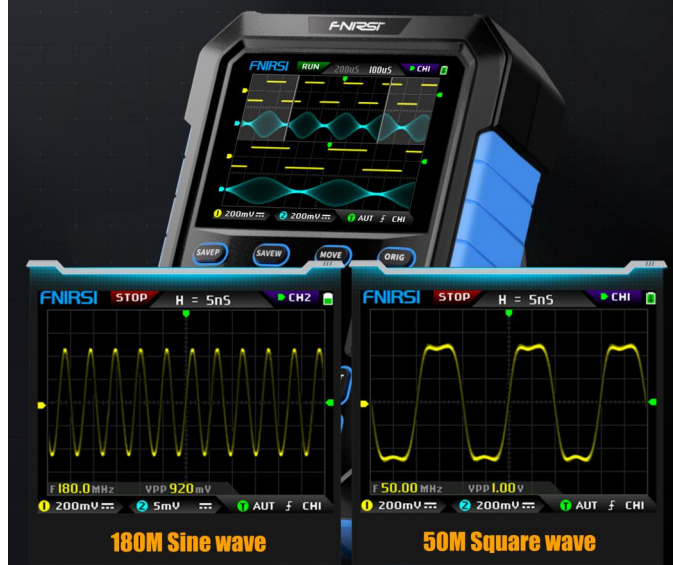
The DPOX180H is a 2 in 1 portable phosphor oscilloscope, 180MHz, 500MSa/s and 50000wfms/s oscilloscope built in 20MHz waveform generator. Phosphor display shows perfect waveforms and details, zoom function makes it unique from same level products, friendly UI interface makes operation never be complicated, all these makes it a perfect tool for maintenance groups, R&D engineers and students in electronics field, to do electronics testing, troubleshooting and maintenance in different scenes.

FEATURES

- 180MHz bandwidth, 500MSa/s sampling rate, 2CH digital oscilloscope
- Built in 20MHz waveform generator with 14 types signal output
- Phosphor technology shows perfect waveforms and details
- Limited 20 MHz bandwidth to filter out noise above 20 MHz
- High voltage protection, withstands 400V
- Languages: English, Russian, Portuguese, Chinese

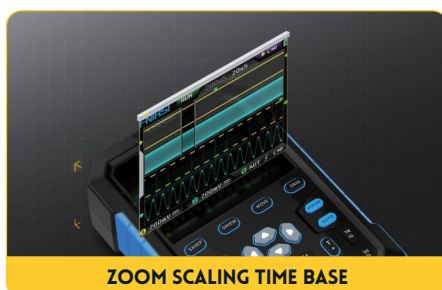


180MHZ BANDWIDTH AND 500MSPS REAL-TIME SAMPLING RATE



20M FUNCTION SIGNAL GENERATOR

The built-in signal generator can output capture wave and produce 14 types of function signals up to 10MHz, especially sine wave to be 20MHz.



HANDHELD 2 IN1 DIGITAL PHOSPHOR OSCILLOSCOPE



**HIGH VOLTAGE
ANTI-BURNING
PROTECTION**



**5MV/DIV HIGH
SENSITIVITY**



**180MHZ ANALOG
BANDWIDTH**



**500MSPS REAL-TIME
SAMPLING RATE**



2-in-1 Digital Phosphor Oscilloscope



TECHNICAL SPECIFICATIONS

Oscilloscope

Bandwidth	180MHz	Channels	2CH
Sampling Rate	500MSa/s	Rise Time	1.8ns
Memory Depth	120kpts	Waveform Capture Rate	50000wfms/s
Vertical Sensitivity	5mV/div-10V/div	Input Impedance	1MΩ
Time Base Scale	5ns/div-50s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Max, Min, Avg, RMS, Peak, Pk-Pk, Freq, Cycle, Time+, Time-, Duty+, Duty- 12 types		

Waveform Generator

Max Frequency	20MHz	Channels	1CH
Resolution	1Hz		
Frequency Characteristics	Sin: 20MHz 1VPP	Square: 10MHz 1VPP	
	Triangle: 10MHz 1VPP	Sawtooth: 10MHz 1VPP	
	Ladder: 10MHz 1VPP	Others: 10MHz 1VPP	
Waveforms	sine, square, triangle, sawtooth, anti sawtooth, ladder wave, half wave, full wave, exponential wave, logarithmic wave, log-periodic wave, square root wave, multi-tone signal, sync pulse wave; 14 types		

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	325g
Product Size	135*90*40mm	Standard Carton	48*28.5*39cm
Display	2.8-inch IPS Screen 320*240	Carton Gross Weight	13.6kg
Battery	3.7V, 3000mAh, Lithium battery, Standby time 4 hours	Quantity Per Carton	20PCS
Standard Accessories	Main device*1, P6100 Probe*2, Charger*1, Data Cable*1, Manual*1		

INTRODUCTION

The 2C53T is an upgraded 3 in 1 oscilloscope and multimeter. It has 2CH 50MHz bandwidth, 250MSa/s sampling rate oscilloscope, support XY, YT, scrolling modes, 8 math operations and FFT analysis; Built in 50kHz signal generator can output 13 types of functions signal; 20000 count multimeter can test 750V AC, 1000V DC and 10A current. It is quite practical and accurate enough for maintenance groups and college students in electronics field. Portable size, fashionable appearance as well as vivid display interface, make it a well popular device in the market.

FEATURES

- 2CH, 50MHz bandwidth, 250MSa/s sampling rate, 1kpts memory depth
- Supports XY/YT/Scrolling Mode, FFT analysis, 8 math operations and persistence display
- 50kHz signal generator
- 20000 count multimeter
- 2.8-inch TFT Real color screen
- 6 hours battery endurance
- Languages: Chinese, English


FNIRSI™ 3in1

HIGH PRECISION DIGITAL OSCILLOSCOPE

XY/YT Mode
3 Persistence
8 Math Operations

DUAL CHANNEL OSCILLOSCOPE

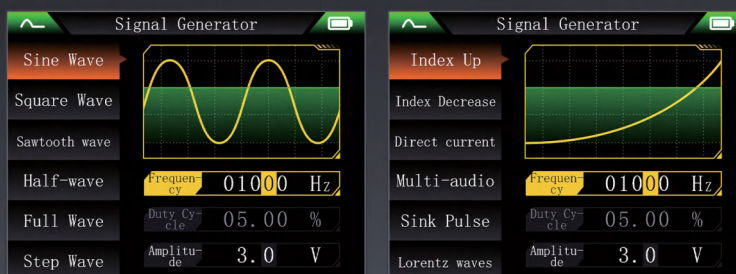
50MHz ANALOG BANDWIDTH

250MSa/s SAMPLING RATE



FUNCTION SIGNAL GENERATOR

Output 13 types waveform with frequency 1Hz-50kHz and amplitude 0.1-3V adjustable.



4½ DIGIT MULTIMETER

DC 1000V ; AC 750V Current 10A Capacitor 100mF

Resistor 20MΩ Diode Continuity Temperature



INTELLIGENT ANTI BURNING

This protection makes electricity measurement much safer and quite suitable for beginner.



DUAL CHANNEL OSCILLOSCOPE MULTIMETER



**50MHZ
BANDWIDTH**



**4½ DIGITS
20000 COUNT**



**13 TYPES
SIGNAL OUTPUT**



**INTELLIGENT
ANTI BURNING**



Dual channel oscilloscope multimeter



TECHNICAL SPECIFICATIONS

Oscilloscope

Bandwidth	50MHz	Channels	2CH
Sampling Rate	250MSa/s	Memory depth	1kpts
Vertical Sensitivity	10mV/div-10V/div	Input Impedance	1MΩ
Time Base Scale	10ns/div-20s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Max, Min, Avg, RMS, Amp, Pk-Pk, Freq, Cycle, Duty+, Duty-, Width+, Width-, 12types		

Waveform Generator

Max Frequency	50kHz	Channels	1CH
Modulations	0-3V		
Waveforms	sine, square, sawtooth, half wave, full wave, positive step, negative step, DC signal, exponential rise, exponential fall, multitone, sync pulse and lorentz wave 13 types		

Digit Multimeter

Reading Resolution	4½ bit	Display Count	20000 Count
DC Voltage (V)	1000V	AC Voltage (V)	750V
DC & AC Current (A)	10A	AC Current (A)	10A
Resistance (Ω)	19.999MΩ/1.9999MΩ/199.99KΩ/19.999KΩ ±(0.5%+3); 1.9999KΩ/199.99Ω ±(2.0%+3)		
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999μF/99.99μF/999.9μF ±(2.0%+5); 9.999mF/99.99mF ±(5.0%+20)		
Frequency (Hz)	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Acc: ±(0.1%+2)		
Temperature	(-55~1300°C)/(-67~2372°F) Acc: ±(2.5%+5)		
Diode	✓	Continuity Test	✓
NCV	✓	Live	✓

GENERAL CHARACTERISTICS

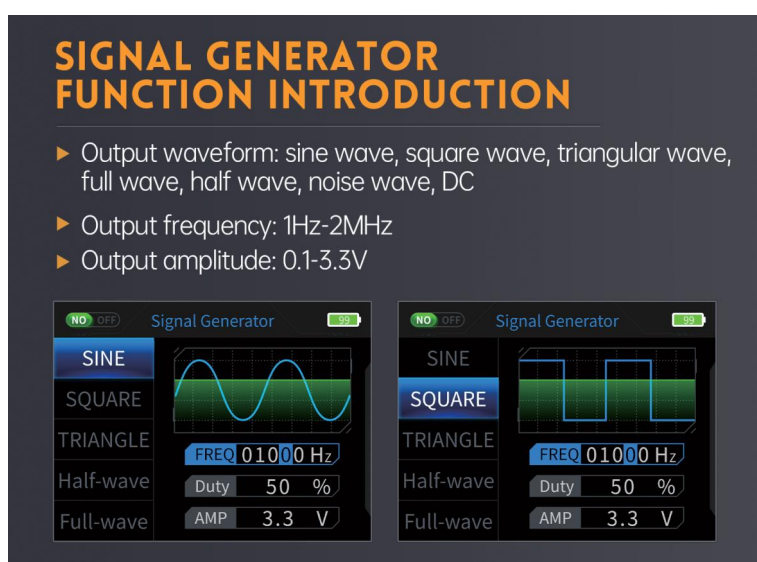
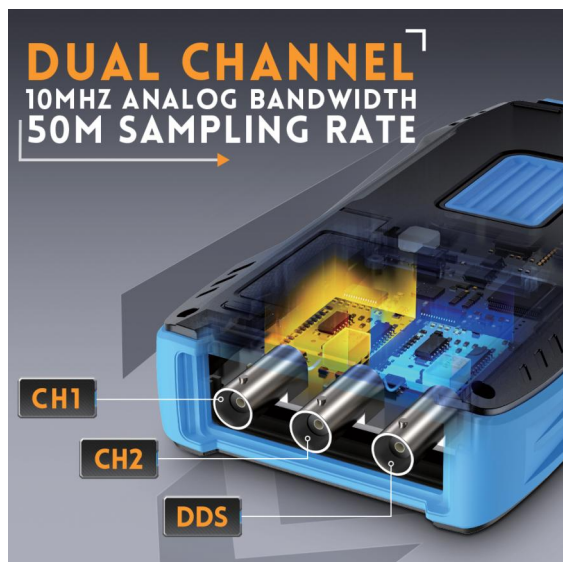
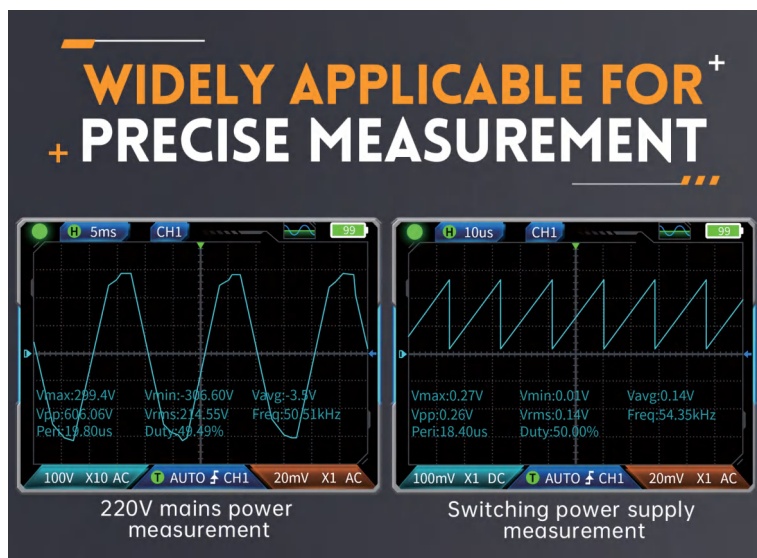
Product Color	Blue & Black	Product Net Weight	300g
Product Size	167x89x35mm	Standard Carton	49*45*30cm
Display	2.8-inch TFT Real Color Screen (320*240)	Carton Gross Weight	18kg
Battery	3.7V, 3000mAh, Lithium battery, Standby time 6 hours	Quantity Per Carton	20PCS
Standard Accessories	Main device*1, P6100 Probe*1, Multimeter Probe*1, Crocodile Clip Probe*1, Data Cable*1, Manual*1		

INTRODUCTION

The 2C23T is a 3 In 1 10MHz 2CH digital oscilloscope, built in 2MHz signal generator and 10000 count multimeter with 3000mAh battery. It's high cost performance tool and widely used by high college students, tech amateurs and maintenance groups for daily learning and testing. Except exciting performances, excellent appearance and friendly UI interface are also its advantage to catch attentions in the market.

FEATURES

- 10MHz bandwidth, 50MSa/s sampling rate, 2CH digital oscilloscope
- 2.8-inch TFT Real Color Screen
- Built in double fuse
- Built-in 2MHz MAX Waveform Generator with 12 types signal output
- Built-in 4 bit digit multimeter
- 6 hours standby time with 3.7V / 3000mAh lithium battery
- Languages: English, Russian, Spanish, Portuguese, Deutsch, Korean, Japanese, Chinese



DUAL CHANNEL OSCILLOSCOPE MULTIMETER



2*10MHZ
BANDWIDTH



4 DIGITS
10000 TRUE RMS



INTELLIGENT
ANTI BURNING



FIRMWARE
UPGRADES



Dual channel oscilloscope multimeter



TECHNICAL SPECIFICATIONS

Oscilloscope

Bandwidth	10MHz	Channels	2CH
Sampling Rate	50MSa/s	Memory depth	32kpts
Vertical Sensitivity	20mV/div-10V/div	Input Impedance	1MΩ
Time Base Scale	50ns/div-10s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Max, Min, Avg, RMS, Peak, Pk-Pk, Freq, Cycle, Time+, Time-, Duty+, Duty- 12 types		

Waveform Generator

Max Frequency	2MHz	Channels	1CH
Sampling Rate	100MSa/s	Resolution	1Hz
Vertical Resolution	8 digit	Wave Length	512pts
Waveforms	sine, square, triangle, half wave, full wave, noise wave, DC signal; 7 types		

Digit Multimeter

Reading Resolution	4 bit	Display Count	10000 Count
DC Voltage (V)	9.999V/99.99V/999.9V ±(0.5%+3)	AC Voltage (V)	9.999V/99.99V/750.0V ±(1%+3)
DC & AC Current (A)	DC: 9999uA/99.99mA/999.9mA/9.999A ±(1.2%+3) AC: 9999uA/99.99mA/999.9mA/9.999A ±(1.5%+3)		
Resistance (Ω)	999.9Ω/9.999kΩ/99.99kΩ/999.9kΩ/9.999MΩ Acc: ±(0.5%+3); 99.99MΩ Acc: ±(1.5%+3)		
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999μF/99.99μF/999.9μF Acc: ±(2.0%+5); 9.999mF/99.99mF Acc: ±(5.0%+20)		
Frequency (Hz)	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Acc: ±(0.1%+2)		
Temperature	(-55~1300°C)/(-67~2372°F) Acc: ±(2.5%+5)		
Diode	✓	Continuity Test	✓
NCV	✓	Live	✓

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	300g
Product Size	167x89x35mm	Standard Carton	54*29*45cm
Display	2.8-inch TFT Real Color Screen (320*240)	Carton Gross Weight	14.4kg
Battery	3.7V, 3000mAh, Lithium battery, Standby time 6 hours	Quantity Per Carton	20PCS
Standard Accessories	Main device*1, 10× Probe*1, Multimeter Probe*1, Crocodile Clip Probe*1, Data Cable*1, Manual*1		

INTRODUCTION

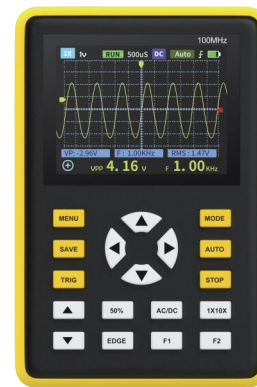
The 1C15 & 5012H are portable digital oscilloscope with bandwidth 100~110MHz, and 500MSa/s sampling rate, adapts to electronics maintenance field and most daily testings in initial electronics education. It is a perfect tool which can efficiently and adaptably accomplishing different electronics testings. The device is based on traditional controlling methods which makes it easy to learn and familiarize how to use it.

FEATURES

- 100~110 MHz, with 500MSa/s sampling rate
- 3.7V, 3000mAh, Lithium batter with stand by 8~10 hours
- 1C15 Roll mode and afterglow enhance waveform detection and recording.
- 1C15 adpot the joystick instead of buttons, simplifying and streamlining operation.
- 5012H afterglow adjustable 1~8 level
- Languages: English, Chinese



1C15



5012H



TECHNICAL SPECIFICATIONS

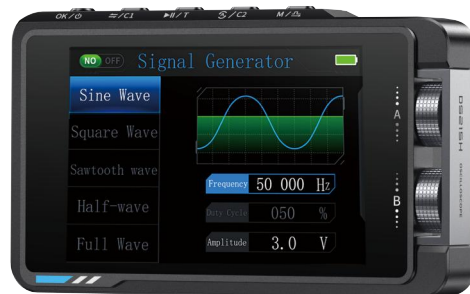
	1C15	5012H
Bandwidth	110MHz	100MHz
Memory Depth	120kpts	128kpts
Time Base Scale	5ns/div-10s/div	6ns/div-50s/div
Auto Measurements	Freq, Pk-Pk, Duty+, Duty-, Amp, Amp+, Amp-, Max, Min, Cycle, RMS, Mean, Width+, Width-; 14 types	Freq, Pk-Pk, Peak, Duty+, Duty-, Time+, Time-, Time, Max, Min, Avg, RMS; 12 types
Channels	1CH	
Sampling Rate	500MSa/s	
Rise Time	<3ns	
Vertical Sensitivity	20mV/div~100V/div	
Input Impedance	1MΩ	
Trigger Types	Auto/Normal/Single	

GENERAL CHARACTERISTICS

	1C15	5012H
Product Color	Blue & White	Yellow & Black
Product Size	139*75*30mm	114*74*33mm
Display	2.4-inch TFT Real Color Screen (320*240)	2.4-inch TFT Color Screen (320*240)
Battery	3.7V, 3000mAh, Lithium battery, Standby time 10 hours	3.7V, 3000mAh, Lithium battery, Standby time 8 hours
Product Net Weight	210g	223g
Standard Carton	60.5*41.5*45.5cm	58*42*42cm
Carton Gross Weight	23.56kg	29.6kg
Quantity Per Carton	50PCS	72PCS
Standard Accessories	Main device*1, High Voltage Probe*1, Alligator Clip Probe*1, data cable*1, Charger*1, Manual*1	Main device*1, 100MHz Probe*1, Alligator Clip Probe*1, data cable*1, Manual*1

INTRODUCTION

The DS215H is a newly designed dual-channel portable digital oscilloscope, specifically engineered for the repair and R&D industries. It integrates an oscilloscope and a signal generator and adopts an FPGA + MCU + ADC hardware architecture for superior performance. Featuring a 3.5-inch color screen, it delivers clear and intuitive visuals. Its unique design incorporates a rotary dial for seamless selection and switching, offering users a portable and efficient operating experience. The DS215H is an ideal tool for education, repair, development, and testing applications.



FEATURES

- 50MHz bandwidth, 250MSa/s sampling rate digital oscilloscope
- 50kHz MAX frequency, 13 types of function signal generator
- Supports waveform screenshot saving and viewing, facilitating data analysis
- 3.5-inch color screen, it delivers clear and intuitive visuals
- 8 languages: Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian



TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	50MHz	Channels	2CH
Sampling rate	250MSa/s	Input impedance	1MΩ
Vertical sensitivity	10mV/div-10V/div	Trigger types	Auto/Normal/Single
Time base scale	20nS/div-20S/div	Storage space	14M
Vertical Resolution	8 bits	Waveform Display Mode	Scroll
Picture storage	✓	Auto Calibration	✓
Measurement data	Freq,Cycle,+Duty,-Duty,+Width,-Width,Max,Min,Vpp,Amp,RMS,Avg		

Waveform Generator			
Max Frequency	50kHz	Channels	1CH
Resolution	0.1-3V	Duty of Square	0-100% adjustable
Waveforms	sine,square,sawtooth,half wave,full wave,positive ladder,negative ladder,exponential rise,exponential fall,DC,multi-tone,sinc pulse,lorentz wave;13 types		

GENERAL CHARACTERISTICS

Product Color	Black & Gray	Product Net Weight	146g
Product Size	66x110x19.5mm	Standard Carton	54*43*31.5cm
Display	3.5-inch IPS high-definition color screen	Carton Gross Weight	19.75kg
Battery	3.7V/1500mAh Lithium battery, Standby time 4 hours	Quantity Per Carton	50PCS

INTRODUCTION

The DSO-TC4 is an upgraded transistor oscilloscope from DSO-TC3, specifically designed for maintenance and R&D applications. It features a 10 MHz oscilloscope with 48 MSa/s sampling rate, supports 13 signal output functions up to 50 kHz, and it is equipped with highly sensitive and precise component testing slots for fast and accurate measurement of various electronic components. Additional functions include continuity testing, temperature and humidity measurement, as well as infrared decoding. With its porcelain casing and compact handheld design, the DSO-TC4 is an excellent practical and innovative tool, widely favored by electronics repair technicians and R&D professionals.

FEATURES

- 10MHz 48MSa/s digital oscilloscope
- 50kHz 13 types of function signals generator
- Transistor tester for capacitor, resistance, inductor, diode, triode etc
- Infrared decoding & continuity testing
- 8 Languages: Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian



3-IN-1 DIGITAL OSCILLOSCOPE TRANSISTOR TESTER & SIGNAL GENERATOR

- 10MHz Bandwidth
- 48MSa/s sampling
- 13 Signals output
- component test
- One-key Auto



13 SIGNAL WAVEFORMS FOR VARIOUS TESTING NEEDS

Frequency: 0-50KHz, Amplitude: 0.1-3.0V



SMALL TOOL, BIG POWER ALL-IN-ONE TOOLBOX

- NEC IR Decoding
- Voltage Test
- Continuity Test
- DS18B20 Measure
- DHT11 Measure



FULL-RANGE SMART ANTI-BURN PROTECTION

Safe Measurement, Complete Protection
for Your Safety



	DSO-TC4	DSO-TC3
Languages	Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian	Chinese, English
Bandwidth	10MHz	500KHz
Sampling rate	48MSa/s	10MSa/s
Time base	50ns~20s	1μs~10s
Trigger waveform	13 kinds	6 kinds
Transistor & Diode	✓	✓
Zener Diode	✓	✓
FET (JFET/IGBT/MOS)	✓	✓
SCR & TRIAC	✓	✓
DS18B20 & DHT11	✓	✓
NEC IR Decoding	✓	✓
Capacitor	25pF~100mF	25pF~100mF
Resistor	0.1Ω~50MΩ	0.1Ω~50MΩ
Inductor	10μH~1000mH	10μH~1000mH
Display Parameters	2.8" TFT color screen	2.4" TFT color screen
USB Image Sharing	✓	✗

TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	10MHz	Channels	1CH
Sampling rate	48MSa/s	Input impedance	1MΩ
Vertical sensitivity	10mV/div-10V/div	Trigger types	Auto/Normal/Single
Time base scale	50nS/div-20S/div	Afterglow Mode	500ms-∞
Picture storage	✓	Auto Calibration	✓
Auto Measurements	Cycle, Freq, Max, Min, RMS, Avg, Vpp, Amp, +Duty, -Duty, +Width, -Width		

Waveform Generator			
Max Frequency	50kHz	Channels	1CH
Resolution	1Hz	Duty of Square	0-100% adjustable
Amplitude	0.1-3V		
Waveforms	sine, square, sawtooth, half wave, full wave, positive step, negative step, DC signal, exponential rise, exponential fall, multitone, sinc pulse and lorentz wave 13 types		

Transistor Tester			
Capacitor	✓	Resistance	✓
Inductor	✓	Diode	✓
Triode	✓	Regulated diode	✓
MOSFET	✓	SCRs/TRIAC	✓

GENERAL CHARACTERISTICS

Product Color	Black & Grey	Product Net Weight	187g
Product Size	90x142x27.5mm	Standard Carton	54*43*33.5cm
Display	2.8-inch TFT color screen	Carton Gross Weight	22.2kg
Battery	3.7V/1500mAh Lithium battery, Standby time 4 hours	Quantity Per Carton	50PCS
Standard Accessories	Main device x1, P6100 probe x1, Ordinary probe x1, Test hook x3, Data cable x1, Manual x1		

INTRODUCTION

The DSO-TC3 is a MINI type 3 in 1 pocket oscilloscope with 500kHz bandwidth, 10MSa/s sampling rate. It's integrated a Max 100kHz frequency signal generator and a smart automatic electronic component tester. DSO-TC3 is designed for electronic beginners and students for simple testing and maintenance in laboratory, class and outdoor scenes. Multiple practical functions, exquisite appearance as well as affordable cost, makes it a widely popular auxiliary tool.

FEATURES

- 500kHz 10MSa/s oscilloscope
- 100 kHz 6 types signal generator
- Transistor tester
- Infrared decoding and continuity testing
- 2.4 inch TFT color screen
- Languages: English, Chinese

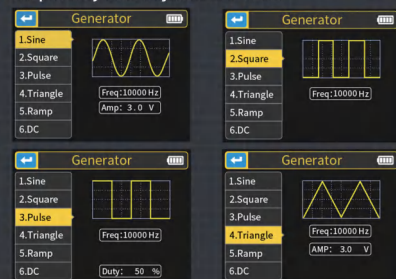


Digital Oscilloscope + Function Signal Generator+ Transistor Tester



FUNCTION SIGNAL GENERATOR

- ▶ 6 kinds of signal waveforms: sine wave, square wave, pulse wave, triangle wave, ramp wave, DC
- ▶ Output frequency adjustable 1-100kHz
- ▶ Output voltage adjustable 3.3V
- ▶ Output duty ratio adjustable 0-100%



TOOL BOX

- ▶ Automatically analyze NEC protocol infrared code
- ▶ Other function modes: including circuit continuity test, 0-40V input voltage measurement, PWM output, 0-32V Zener diode measurement, DS18B20 temperature sensor measurement, DHT11 temperature and humidity sensor measurement, etc.





TECHNICAL SPECIFICATIONS

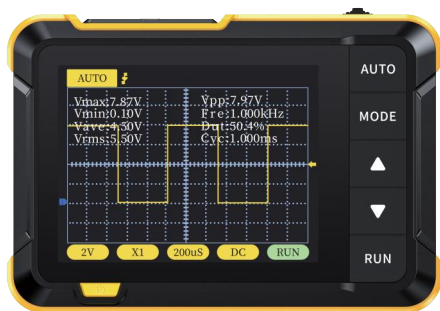
Oscilloscope			
Bandwidth	500kHz	Channels	1CH
Sampling Rate	10MSa/s	Vertical Sensitivity	10mV/div-10V/div
Time Base Scale	1μs/div-10s/div	Input Impedance	1MΩ
Trigger Types	Auto/Normal/Single		
Auto Measurements	Period, Freq, Pk-Pk, Max, Min, Avg, RMS, Duty Cycle; 8 types		

Waveform Generator			
Max Frequency	100kHz	Channels	1CH
Resolution	1Hz		
Frequency Characteristics	Sine: 1-100KHz/0-3.3V/50%	Square: 1-100KHz/3.3V/50%	
	Pulse: 1-100KHz/3.3V/0-100%	Triangle: 1-100KHz/0-3.3V/50%	
	Ramp: 1-100KHz/0-3.3V/0-100%	DC: 0-3.3V	
Waveforms	sine, square, pluse, triangle, ramp, DC;6 types		

Component Tester			
Capacitor	✓	Resistance	✓
Inductor	✓	Diode	✓
Triode	✓	Regulated Diode	✓
MOSFET	✓	SCRs/TRIAC	✓

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	138g
Product Size	79*103*31mm	Standard Carton	63.5*32*30.5cm
Display	2.4 inch TFT color screen	Carton Gross Weight	14.9kg
Battery	3.7V, 1500mAh Lithium battery, Standby time 4 hours	Quantity Per Carton	50PCS
Standard Accessories	Main device*1, Ordinary Probe *1, Test hook*3, Data Cable*1, Manual*1		


DS0152

DS0153

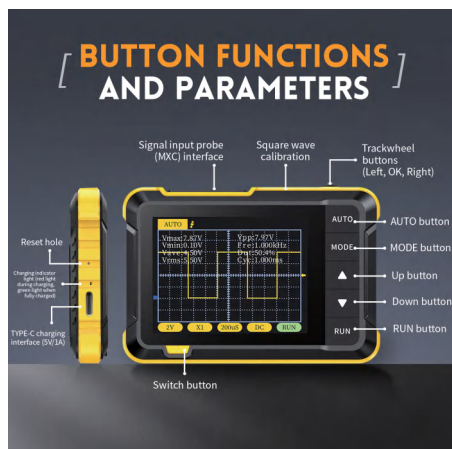
DS0510

INTRODUCTION

The DS0152, DS0153 and DS0510 are 3 mini portable and exquisite oscilloscopes. Basic version DS0152 is 200KHz oscilloscope, auto testing helps maintenance and college students easily deal with voltage and frequency testing requirements in daily works or education activities. The latter two are upgraded ones. DS0153 has 1MHz bandwidth and it is integrated 10KHz signal generator outputs 14 types signals. DS0510 is a new upgraded device with 10MHz bandwidth and 50KHz signal generator which can output 13 types of signals. As entry-level oscilloscopes, they have steady performances and fashionable appearances, which make them very popular in the market.

FEATURES

- Basic version DS0152 200kHz 2.5MSa/s oscilloscope
- Upgraded version DS0153 1MHz 5MSa/s oscilloscope, 10kHz signal generator
- Upgraded version DS0510 10MHz 48MSa/s oscilloscope, 50kHz signal generator
- 2.8-inch PPI color screen
- 4 hours battery endurance
- Pocket size 99x68.3x19.5mm, 100g



TECHNICAL SPECIFICATIONS

Oscilloscope			
	DSO152	DSO153	DSO510
Bandwidth	200kHz	1MHz	10MHz
Channels	1CH	1CH	1CH
Sampling Rate	2.5MSa/s	5MSa/s	48MSa/s
Vertical Sensitivity	10mV/div-20V/div	10mV/div-10V/div	10mV/div-10V/div
Input Impedance	1MΩ	1MΩ	1MΩ
Time Base Scale	10μs/div-50s/div	500ns/div-20s/div	50ns/div-20s/div
Trigger Types	Auto/Normal/Single	Auto/Normal/Single	Auto/Normal/Single
Auto Measurements	Max, Min, Avg, RMS, Vpp, Freq, Duty, Cycle; 8 types	Max, Min, Avg, RMS, Vpp, Amp, Freq, Duty+, Duty-, Width+, Width-, Period; 12 types	Max, Min, Avg, RMS, Vpp, Amp, Freq, Duty+, Duty-, Width+, Width-, Period; 12 types
Languages	Chinese, English	English, Russian, Spanish, Portuguese, Deutsch, Korean, Japanese, Chinese; 8 languages	Chinese, English

Waveform Generator			
	DSO152	DSO153	DSO510
Max frequency	/	10kHz	50kHz
Channels	/	1CH	1CH
Waveforms	/	sine wave, square wave, sawtooth wave, half wave, full wave, ladder wave, anti-ladder wave, noise wave, exponential rise, exponential fall, DC, multitone, sinc pulse, lorentz wave, 14 types	

GENERAL CHARACTERISTICS

	DSO152	DSO153	DSO510
Product Color	Yellow & Black	Blue & Black	
Product Size	99x68.3x19.5mm		
Display	2.8-inch PPI Screen (320*240)		
Battery	3.7V, 1000mAh, Lithium battery, Standby time 4 hours		
Standard Accessories	Main device*1, Crocodile Clip Probe *1, Data Cable*1, Lanyard*1, Manual*1		
Product Net Weight	100g		
Standard Carton	46*43*27cm	46*43*27cm	56*43*27cm
Carton Gross Weight	18kg	18kg	15.88kg
Quantity Per Carton	100PCS	100PCS	50PCS

INTRODUCTION

The DST-210 & DST-201 are cost-effective 3 in 1 handheld multimeters, built in oscilloscope and signal generator. It enables to provide precise measurement of normal electrical parameters, and the generation of typical signals as well, and it can help analyze transient waveforms within circuits. They have characteristics like ergonomic design, lightweight, positions them as universal instruments designed for engineers. They can be applicable for many fields, such as primary users, DIY application, home appliance repair, car maintenance, measuring electricity, experimental teaching, etc. It is ideal for applications requiring simultaneous signal waveform analysis and voltage, current, and other electrical measurements.

FEATURES

- Both are 3-in-1 20000 counts Multimeter, built in Oscilloscope & Signal Generator
- Matched with 2.8-inch TFT color display
- Real-time curve recording
- Data hold and overload protection
- Standby time achieves over 15h
- Classical knob operation with rapid responses
- DST-210 has 10MHz 48MSa/s Oscilloscope and 50kHz Signal Generator 13 types of signal
- DST-201 has 1MHz 5MSa/s Oscilloscope and 10kHz Signal Generator 13 types of signal
- Languages: Chinese/English


DST-210
DST-201

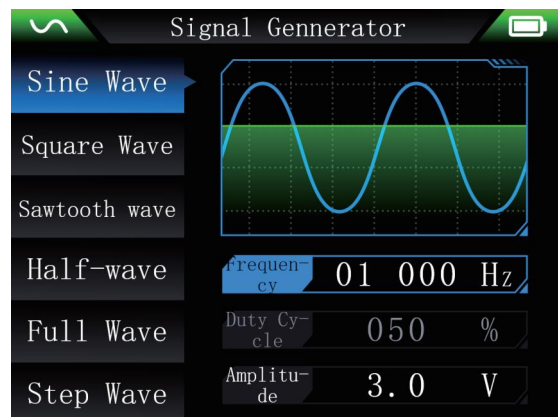

19999 COUNTS TRUE RMS

Data Hold & Anti-burn



CURVE RECORDING DATA STORAGE

Real-time curve with min/max values and data saving



13 types Waveforms

TECHNICAL SPECIFICATIONS

Digital Multimeter		
	DST-210	DST-201
Overvoltage Category	CAT IV 600V /CAT III 1000V	
Display Count	20000	
DC Voltage (V)	1.9999V / 19.999V / 199.99V / 1000V Accuracy: $\pm(0.5\%+3)$	
AC Voltage (V)	1.9999V / 19.999V / 199.99V / 750.0V Accuracy: $\pm(1\%+3)$	
DC Current (A)	19.999mA / 199.99mA / 1.9999A / 9.999A Accuracy: $\pm(1.2\%+3)$	
AC current (A)	19.999mA / 199.99mA / 1.9999A / 9.999A Accuracy: $\pm(1.5\%+3)$	
Resistance (Ω)	19.999M Ω / 1.9999M Ω / 199.99K Ω / 19.999K Ω Accuracy: $\pm(0.5\%+3)$ 1.9999K Ω /199.99 Accuracy: $\pm(2.0\%+3)$	
Capacitance (F)	999.9uF/99.99uF/9.999uF/999.9nF/99.99nF/9.999nF Accuracy: $\pm(2.0\%+5)$ 9.999mF/99.99mF Accuracy: $\pm(5.0\%+20)$	
Frequency (Hz)	9.999MHz/999.9KHz/99.99KHz/9.999KHz/999.99Hz/99.99Hz/9.999Hz Accuracy: $\pm(0.1\%+2)$	
Temperature ($^{\circ}\text{C}$)	(-55~1300 $^{\circ}\text{C}$)/(-67~2372 $^{\circ}\text{F}$) Accuracy: $\pm(2.5\%+5)$	
Diode	✓	
Continuity Test	✓	
Live	✓	

Oscilloscope		
	DST-210	DST-201
Bandwidth	10MHz	1MHz
Channels	1CH	1CH
Sampling Rate	48MSa/s	5MSa/s
Time Base Scale	50ns/div~20s/div	500ns/div~20s/div
Vertical Sensitivity	10mV/div~10V/div(x1)	
Input Impedance	1M Ω	
Trigger Types	Auto/Normal/Single	
Auto Measurements	Max, Min, Avg, RMS, VPP, Amp, Freq, Period, Duty Cycle, Width; 10 types	

Waveform Generator		
	DST-210	DST-201
Max frequency	50KHz	10KHz
Channels	1CH	
Waveform Amplitude	0.1V-3V	
Square Duty Cycle	0-100% (Square & Sawtooth adjustable)	
Waveforms	sine wave, square wave, sawtooth wave, half wave, full wave, ladder wave, anti-ladder wave, exponential rise, exponential fall, DC, multitone, sinc pulse, lorentz wave, 13 types	

GENERAL CHARACTERISTICS

	DST-210	DST-201
Product Color	Black&Blue	
Product Net Weight	298g	
Product Size	177*87.5*34.5mm	
Standard Carton	56*47.5*22cm	
Display	2.8-inch TFT high-definition color screen	
Carton Gross Weight	16.8kg	
Battery	3.7V/3000mAh lithium battery, Standby time 15 hours	
Quantity Per Carton	25PCS	

INTRODUCTION

The TIM120P is a 2-IN-1 thermal imager combined with 10000 counts digital multimeter. It can measure voltage, resistance, and temperature, while also helping users quickly find areas that are overheating. This makes it easier to detect problems like loose wires, uneven power loads, old or damaged parts, and high current. By removing the need to check each part by hand, it makes troubleshooting faster and safer. To help locate heat sources more quickly, it is specially developed with auto tracking function for the center point of high/low temperatures.

FEATURES

- 2 in 1 digital multimeter built in thermal imager
- 10000 count supports a wide range of electrical measurements like voltage, current, resistance, capacitance, diode, frequency etc.
- Auto tracking for center point
- High/low temperature alarm
- Entirely new modern design with screentouch and knob operation
- Languages: English/Chinese



MULTIPLE FUNCTION RANGES SELECTABLE



SUPPORTS 6 COLOR PALETTE MODES

AUTOMATIC TRACKING OF CENTER POINT AND HIGH/LOW TEMPERATURE
Intuitive temperature color band

TECHNICAL SPECIFICATIONS

Digital Multimeter

Overvoltage Category	CAT III 1000V	Display Count	10000
DC Voltage (V)	9.999V/99.99V/999.9V Accuracy: $\pm(0.5\%+3)$	AC Voltage (V)	9.999V/99.99V/750.0V Accuracy: $\pm(1\%+3)$
Resistance (Ω)	9.999M Ω /999.9K Ω /99.99K Ω /9.999K Ω /999.9 Ω Accuracy: $\pm(1.5\%+3)$ 99.99M Ω Accuracy: $\pm(1.5\%+3)$		
Capacitance (F)	999.9 μ F/99.99 μ F/9.999 μ F/999.9nF/99.99nF/9.999nF Accuracy: $\pm(2.0\%+5)$ 9.999mF/99.99mF Accuracy: $\pm(5.0\%+20)$		
Diode	✓		
Live	✓		

Thermal Imaging

IR Resolution	120*90	Field of View	50°
Temperature	-20°C~150°C	Thermal Sensitivity	<60mk
IR Resolution	120*90	Frame Rate	18 frames
Spectral Range	8um~14um	Accuracy	2°C or $\pm 2\%$
Emissivity	0.1-0.99		

GENERAL CHARACTERISTICS

Product Color	Black&Grey	Product Net Weight	194g
Product Size	118*78*28.5mm	Standard Carton	43*39*30.5cm
Display	2.8-inch touchscreen	Carton Gross Weight	17.14kg
Battery	3.7V/1500mAh lithium battery	Quantity Per Carton	40PCS

INTRODUCTION

The DMT-99 is an intelligent digital multimeter with a wide measurement range and high resolution, ensuring highly accurate readings. It's suitable for various fields such as electronic maintenance, engineering, laboratories, automotive, and home appliances. It contains versatile functions can test continuity, frequency, resistance, capacitor, diodes, temperature, live wires NCV function easily detects AC electromagnetic fields and alerts with a buzzer.

FEATURES

- 4-bit digital meter with automatic identification function
- 3 display modes: records, normal and sorting
- Freely customize start-up interface
- 2.4 inch full color TFT screen
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Overvoltage Category	CAT IV 600V / CAT III 1000V	Display Count	10000
DC Voltage (V)	9.999V/99.99V/999.9V Acc: $\pm(0.5\%+3)$	AC Voltage (V)	9.999V/99.99V/750.0V Acc: $\pm(1\%+3)$
DC Current (A)	9999uA/99.99mA/999.9mA/9.999A Acc: $\pm(1.2\%+3)$	AC Current (A)	9999uA/99.99mA/999.9mA/9.999A Acc: $\pm(1.5\%+3)$
Resistance (Ω)	9.999M Ω /999.9K Ω /99.99K Ω /9.999K Ω /999.9 Ω Acc: $\pm(0.5\%+3)$; 99.99M Ω Acc: $\pm(1.5\%+3)$		
Capacitance (F)	999.9 μ F/99.99 μ F/9.999 μ F/999.9nF/99.99nF/9.999nF Acc: $\pm(2.0\%+5)$; 9.999mF/99.99mF Acc: $\pm(5.0\%+20)$		
Frequency (Hz)	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Acc: $\pm(0.1\%+2)$		
Temperature	(-55~1300°C)/(-67~2372°F) Acc: $\pm(2.5\%+5)$		
Diode	✓	Continuity Test	✓
NCV	✓	Live	✓

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net weight	185g
Product Size	155*80*36mm	Standard Carton	62*45*44.5cm
Display	2.4-inch TFT Full Color Screen (240*320)	Carton Gross Weight	21.705kg
Battery	3.7V, 1500mAh, Lithium battery, Standby time 10 hours	Quantity Per Carton	50PCS
Standard Accessories	Main device*1, Multimeter Probe*1, Data Cable*1, Manual*1		

INTRODUCTION

The S1 is a handheld large-screen digital display smart multimeter. It has the advantages of fast measurement, large screen LCD dual display and lighting. As a multimeter and it conforms to overvoltage standard CAT III 1000V, which makes it an excellent choice for professional labs, factories, schools, hobbyists or families, etc.

FEATURES

- Large screen LCD
- 10000 count , 4-bit multimeter
- Built in flashlight helpful for operating in the dark
- Languages: English/Chinese



LARGE SCREEN DIGITAL DISPLAY SMART MULTIMETER



AC AND
DC VOLTAGE



INTELLIGENT
ANTI-BURNING



AUTOMATIC
IDENTIFICATION



POSITIVE
RMS



Large screen digital display smart multimeter



TECHNICAL SPECIFICATIONS

Overvoltage Category	CAT III 1000V	Display Count	10000
DC Voltage (V)	0-1000V $\pm(0.8\%+3)$; 1000V $\pm(1.2\%+3)$	AC Voltage (V)	0-1000V $\pm(0.8\%+3)$; 1000V $\pm(1.2\%+3)$
Resistance (Ω)	0-1M Ω $\pm(0.8\%+3)$; 1M-100M Ω $\pm(1.2\%+3)$	Capacitance (F)	0-10mF $\pm(4.5\%+5)$
Frequency (Hz)	0-10MHz $\pm(0.1\%+3)$	Temperature: ($^{\circ}\text{C}$)	-20 $^{\circ}\text{C}$ -0 $^{\circ}\text{C}$ $\pm(5\%+4)$; 1 $^{\circ}\text{C}$ -400 $^{\circ}\text{C}$ $\pm(1\%+3)$; 401 $^{\circ}\text{C}$ -1000 $^{\circ}\text{C}$ $\pm(2\%+5)$
Diode	✓	Continuity Test	✓
NCV	✓	Live Wire	✓
On & off Buzzer	✓	Auto Measurement	✓

GENERAL CHARACTERISTICS

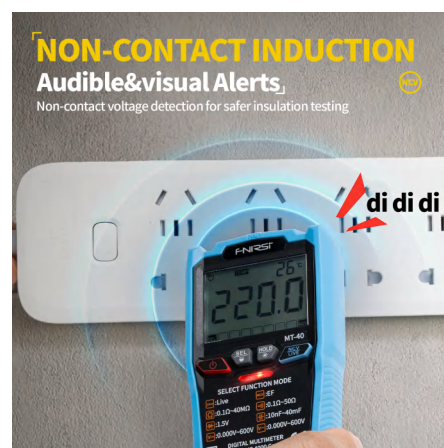
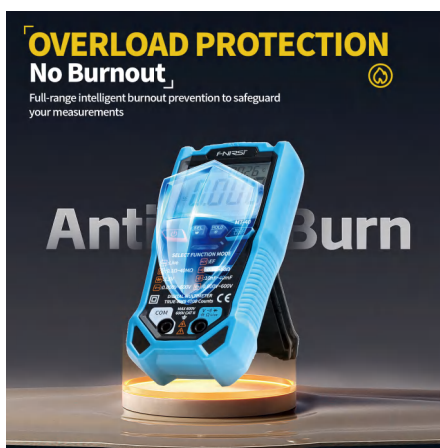
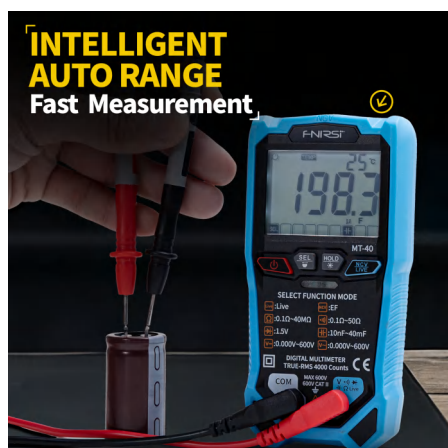
Product Color	Blue	Product Net Weight	130g
Product Size	143*75*19mm	Standard Carton	63*30.5*41.5cm
Display	Large LCD Screen	Carton Gross Weight	17kg
Product Net Weight	3.7V, 1000mAh, Lithium battery, Standby time 5 hours	Quantity Per Carton	50PCS
Standard Accessories	Main device*1, Multimeter Probe*1, Data Cable*1, Manual*1		

INTRODUCTION

MT-40 is a smart and compact 4000-count digital multimeter that supports 600V AC/DC voltage, resistance, capacitance, diode, NCV, Live measurement etc.. It also has automatic identification and data retention functions in the small shell. It supports to test circuit continuity with buzzer, it also has a backlight display and flashlight functions, which is convenient for use in dark environments; It can be easily driven by 2 AAA dry batteries, all these make it suitable for home use, small electronic repairs and it is easy to carry for outdoor work.

FEATURES

- 4000 counts smart digital multimeter with Auto-range function
- Continuity and components testing
- 600V AC/DC voltage measurement
- Complete range protections/data hold/auto power off
- Flashlight/NCV/LIVE



TECHNICAL SPECIFICATIONS

Overvoltage Catagory	CAT III 600V	Display count	4000
DC Voltage (V)	Auto mode: 0.500-600V Manual mode: 0.000-600V Accuracy: $\pm(0.8\%+3)$	AC Voltage (V)	Auto mode: 0.500-600V Manual mode: 0.000-600V Accuracy: $\pm(1.2\%+3)$
Resistance (Ω)	40M Ω /4M Ω /400K Ω /40K Ω /4K Ω /400 Ω Accuracy: $\pm(1.0\%+5)$		
Capacitance (F)	400 μ F/40 μ F/4 μ F/400nF/40nF/4nF Accuracy: $\pm(4.0\%+5)$ 40mF/4mF Accuracy: $\pm(10\%+5)$		
Frequency (Hz)	Display frequency when test AC voltatge		
Temperature ($^{\circ}$ C)	(-40~1300 $^{\circ}$ C)/(-40~2372 $^{\circ}$ F) Accuracy: $\pm(2\%+5)$		
Diode	✓	Continuity test	✓
NCV	✓	Live	✓
Auto measurement	✓	Data hold	✓
Auto power off	✓	Flashlight	✓

GENERAL CHARACTERISTICS

Product Color	Black & Blue	Product Net Weight	156g
Product Size	140x70x31 mm	Standard Carton	37.5x32x46 cm
Display	2.3-inch LCD display	Carton Gross Weight	22kg
Battery	AAA DC 1.5V dry cell x2	Quantity Per Carton	80 PCS
Standard Accessories	Main device x1, probe x1, user manual x1		

INTRODUCTION

The DMC-100 is a 10,000-count intelligent clamp digital multimeter, designed to provide a wide measurement range and high resolution for accurate testing. It delivers precise AC/DC voltage and current measurements and supports comprehensive multimeter testing scenarios through button-adjusting to different gears. Real-time data curve display, data storage, and power measurement mode enhance usability, make it a ideal tool for engineering applications, laboratory use, vehicle maintenance, and household electrical repairs.



FEATURES

- 10000 counts clamp digital multimeter
- Continuity and components testing
- Advanced power measurement mode
- Real-time curve display/data storage/auto power off
- Flashlight/NCV



TECHNICAL SPECIFICATIONS

Overvoltage Category	CAT III 1000V	Display count	10000
DC Voltage (V)	9.999V/99.99V/999.9V Accuracy: $\pm(0.5\%+3)$	AC voltage (V)	9.999V/99.99V/750.0V Accuracy: $\pm(1\%+3)$
DC Current (A)	99.99A/600.0A Accuracy: $\pm(2.5\%+10)$	AC current (A)	99.99A/600.0A Accuracy: $\pm(2.5\%+10)$
Resistance (Ω)	99.99M Ω /9.999M Ω /999.9K Ω /99.99K Ω /9.999K Ω /999.9 Ω Accuracy: $\pm(1.5\%+3)$		
Capacitance (F)	999.9 μ F/99.99 μ F/9.999 μ F/999.9nF/99.99nF/9.999nF Accuracy: $\pm(2.0\%+5)$ 9.999mF/99.99mF Accuracy: $\pm(5.0\%+20)$		
Frequency (Hz)	9.999MHz/999.9KHz/99.99KHz/9.999KHz/999.99Hz/99.99Hz/9.999Hz Accuracy: $\pm(0.1\%+2)$		
Temperature ($^{\circ}$ C)	(-55~1300 $^{\circ}$ C)/(-67~2372 $^{\circ}$ F) Accuracy: $\pm(2.5\%+5)$		
Power test	✓	Real-time curve display	✓
Diode	✓	Continuity test	✓
NCV	✓	Live	✓
Flashlight	✓	Data storage	✓

GENERAL CHARACTERISTICS

Product Color	Black	Product Net Weight	191g
Product Size	195x74x29 mm	Standard Carton	59.5*45*43.5 cm
Display	2.0 inch full color TFT screen with resolution up to 240*320	Carton Gross Weight	29kg
Battery	3.7V/1500mAh lithium battery	Quantity Per Carton	80 PCS
Standard Accessories	Main device, multimeter probe, type-c charging cable, user manual		

INTRODUCTION

The MC-40 smart digital clamp meter is a stable, safe and reliable instrument. The circuit design of the whole machine is based on the micro-intelligent IC dual-integral A/D converter, and is equipped with a full-range overload protection circuit. It has a novel appearance and can be used to measure AC current, AC and DC voltage, resistance, diode, and circuit continuity test. It is a special electrical instrument with superior performance. It is small and light, and can be carried with you to meet measurement needs at any time.



FEATURES

- 4000-count clamp digital multimeter
- Continuity and components testing
- Support max 600A current measurement
- Flashlight/NCV
- Auto power off
- Overload Protection to prevent burning out



TECHNICAL SPECIFICATIONS

Overvoltage Category	CAT III 600V	Display Count	4000
DC Voltage (V)	3.999V/39.99V Accuracy: $\pm(0.8\%+2)$ 39.99V-600.0V Accuracy: $\pm(1\%+2)$	AC voltage (V)	3.999V/39.99V Accuracy: $\pm(1\%+10)$ 39.99V-600.0V Accuracy: $\pm(1.2\%+10)$
AC current (A)	3.999A/39.99A/399.9A/600.0A Accuracy: $\pm(2.5\%+10)$		
Resistance (Ω)	3.999M Ω /399.9K Ω /39.99K Ω /3.999K Ω /399.9 Ω Accuracy: $\pm(1.2\%+2)$ 40M Ω Accuracy: $\pm(2.0\%+5)$		
Capacitance (F)	999.9 μ F/99.99 μ F/9.999 μ F/999.9nF/99.99nF/9.999nF Accuracy: $\pm(2.0\%+5)$ 9.999mF/99.99mF Accuracy: $\pm(5.0\%+20)$		
Frequency (Hz)	399.99Hz/39.99Hz/3.999Hz		
Diode	✓	Continuity test	✓
NCV	✓	Live	✓
Flashlight	✓	Auto power off	✓

GENERAL CHARACTERISTICS

Product Color	Black & Blue	Product Net Weight	176g
Product Size	188x67x35 mm	Standard Carton	53*37.5*23.5 cm
Display	2.0 inch full color TFT screen with resolution up to 240*320	Carton Gross Weight	13.5kg
Battery	AAA dry cell (DC 1.5V) x 2	Quantity Per Carton	40 PCS
Standard Accessories	Main device, probe, 1.5V size dry cell x 2, user manual		


MRT-2050

MRT-1050

INTRODUCTION

MRT-2050 and MRT-1050 are high-performance insulation resistance testers, designed to measure the insulation resistance of electrical equipment, wiring, and insulating materials to ensure safe operation. The testers are widely used in power systems, manufacturing, and construction to detect insulation aging, moisture, or damage. They help prevent electrical hazards and are ideal for testing motors, transformers, switchgear, and cables, ensuring system reliability and long-term equipment performance. As a compact design achieves portability and easy operations, the MRT-2050 and MRT-1050 also calculate the polarization index and absorption ratio, offering multiple safety protections.

FEATURES

- 1999 counts insulation resistance testers
- Supports 100V/250V/500V/1000V/2500V multiple test voltages
- Polarization Index (PI) and Absorption Ratio (DAR) calculation
- Supports timed measurements and has a comparison function
- Multiple safety protections: includes high voltage warning, overload protection, low battery alarm, etc., ensuring safe use
- Languages: English / Chinese



INSULATION RESISTANCE TESTER


2MΩ-50GΩ

**DIELECTRIC
ABSORPTION
RATIO**

**AUTO
COMPARISON
FUNCTION**


TECHNICAL SPECIFICATIONS

		MRT-2050		MRT-1050	
Voltage Output		250V/500V/1000V/2500V (0-20%)		100V/250V/500V/1000V (0-20%)	
Rated Voltage	100V	/		0.1MΩ-200MΩ	±(5%+3bits)
	250V	0.1MΩ-2GΩ	±(5%+3bits)	0.1MΩ-2GΩ	±(5%+3bits)
	500V	0.5MΩ-5GΩ	±(5%+3bits)	0.5MΩ-5GΩ	±(5%+3bits)
	1000V	3MΩ-20GΩ	±(5%+3bits)	3MΩ-20GΩ	±(5%+3bits)
	2500V	5MΩ-200GΩ	±(5%+3bits)	/	
DC Voltage		0-1000V Acc: ±(2%+3bits) Res: 1V			
AC Voltage		30-750V Acc: ±(2%+3bits)Res: 1V			
Short Circuit Current		>1mA			
Overvoltage Category		CAT III 600V			
Display Count (Max)		1999			
Absorption Ratio		✓			
Polarization Index		✓			
Low Battery Alarm		✓			
High Voltage Warning		✓			
Over-range Alarm		✓			
Overload Indicator		✓			

GENERAL CHARACTERISTICS

	MRT-2050	MRT-1050
Product Color	Black&Blue	
Product Net Weight	684g	
Product Size	182*124*66mm	
Battery	8*size 5,1.5V Dry Battery / DC12V	
Standard Carton	47.5*46*34.5cm	
Carton Gross Weight	24.38kg	
Quantity Per Carton	20PCS	

INTRODUCTION

The SG-003A & SG-004A signal generators are high-performance device aimed at the industrial control industry.

The devices are programmable so that can generate various of signals such as voltage, current, pulse waves, thermocouple voltage and thermal resistance. The signal sources can help engineer to simulate industrial control variable like motor anomaly, aging test for magnetic/pneumatic valve, NTC/thermocouple simulation and PLC program debugging, etc.. The 24V output is independent which can be used as 24V power supply and combine to its input ports to be used as loop testing. In addition to above, the device is also a process calibrator, a cost-effective specialized instrument adapting to various working conditions.



SG-003A



SG-004A

APPLICATION



POCKET SIZE EASY TO TAKE



TFT FULL COLOR HD DISPLAY



SUITABLE FOR VARIOUS WORKING CONDITIONS

FEATURES

- Provides physical values and scale percentage, the scale is defined by user, which is convenient to diagnosis industrial analog.
- Provides 4 groups preset signal values, which could help user to fast calling preset outputs.
- Converts input signal into output signal, which can be converted between different physical quantities
- Programmable by 3 modes operation: monotonous rise, monotonous fall and cycle
- Able to communicate with configuration software/PLC via RS485.
- Firmware is able to be upgraded by USB.
- 2.4 Inch TFT full color LCD display, with adaptive real-time curve display technology to help user easy to read curve data.
- 3000mAh battery, standby time up to 24 hours.
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

		SG-003A	SG-004A
In-put	Current(mA)	range: 0~24mA $\pm(0.1\%+0.005)$; resolution: 0.01mA	
	Voltage(V)	range: 0~30V $\pm(0.1\%+0.005)$; resolution: 0.01mV	range: 0~24V $\pm(0.1\%+0.005)$; resolution: 0.01mV
	Frequency (Hz)	/	Freq./PWM/RPM/count; 0~10KHz
	Thermocouple (mV)	/	mV: WRE25/26; TC-S/B/K/R/J/T/N
	Thermal resistance (Ω)	/	ohm (Ω): Pt100: -200~650°C CU50: -20~150°C RES: 0~390 Ω
Out-put	Current(mA)	Range:0~24mA/4~20mA/0~20mA/ 0~10mA/USER $\pm(0.1\%+0.005)$, resolution: 0.01mA; 750 Ω MAX; Option voltage: 12/24V	Range:0~24mA/4~20mA/0~20mA/ 0~10mA/USER $\pm(0.02\%+0.003)$, resolution: 0.001mA; 750 Ω MAX; Option voltage: 12/24V
	Voltage(V)	Range: 1~5V/0~5V/0~10V/0~24V/ USER $\pm(0.1\%+0.005)$; Over-current protection; resolution: 0.01V	Range:1~5V/0~5V/0~10V/0~24V/ USER $\pm(0.02\%+0.003)$; Over-current protection; resolution: 0.001V
	XMT(mA)	range: 0~24mA; support percentage scale convert by user	
	Frequency (Hz)	type: Freq./PWM/RPM/counts; range: 0~9999Hz $\pm 2\%$; resolution: 5bits	
	Voltage(24V)	24V with option output: non-volatile memory	
	Thermocouple (mV)	/	mV: WRE25/26; TC-S/B/K/R/J/T/N
	Thermal resistance (Ω)	/	ohm (Ω): Pt100: -200~650°C CU50: -20~150°C RES: 0~390 Ω
Preset Values		4 groups values calling via left/right/up/down button	
Programing Type		Monotonous rise, monotonous fall and cycle	
Real-time Curve		Auto Zoom	
MODBUS Slave		Communicate with configuration software or PLC via RS485	
Historical Record		/	30 groups

GENERAL CHARACTERISTICS

	SG-003A	SG-004A
Product Color	Blue	Yellow
Product Size	112*82*28mm	
Display	2.4-inch TFT Full Color LCD Screen	
Battery	3.7V/3000mAh Lithium battery	
Standard Accessories	Main Device*1, Test Clip*4, Data Cable*1, Charger*1, Manual*1	
Product Net Weight	180g	
Standard Carton	48*45.5*32cm	
Carton Gross Weight	15kg	
Quantity Per Carton	30PCS	

INTRODUCTION

The IPS3608 is a regulated power supply that efficiently converts AC to stable DC, provide 0~36V and 0~8A power source, ideal for industrial, laboratory, and professional applications. The primary function is to supply precise and reliable adjustable power for circuit boards, chips, sensors, and other electronic components, fulfilling a range of power requirements such as testing, validation, aging screening, and fault diagnosis in the field of electronic testing and measurement technology. To ensure stable and safe operation, eightfold protection mechanisms have been incorporated. Equipped with a temperature-sensing intelligent cooling system, it ensures stable power delivery with low ripple. It features a 2.8" HD color display screen with a simple and intuitive interface for easy data reading.



FEATURES

- DC 0~36V , 0~8A Power Supply
- Real-time voltage & current with VI curve
- Knob with buttons, convenient for parameter adjustment
- Protection thresholds customizable
- Temperature detection and auto fan cooling
- Eightfold Protection: overvoltage, overcurrent, overpower, overtemperature, undervoltage, short circuit, output reverse injection and input reverse connection
- Languages: English/Chinese

DC INTELLIGENT
POWER SUPPLYEIGHTFOLD
PROTECTIONENCODER
ADJUSTMENT KNOBDATA GROUP
PRESETINTELLIGENT
COOLING FAN

HIGH-PRECISION



DATA LOCK

36V

MAX Voltage

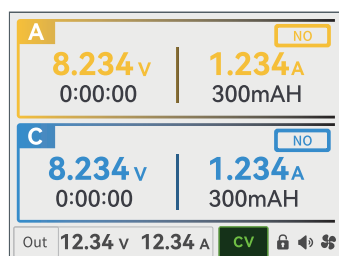
8A

MAX Current

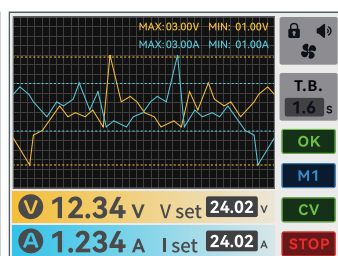
288W

MAX Power

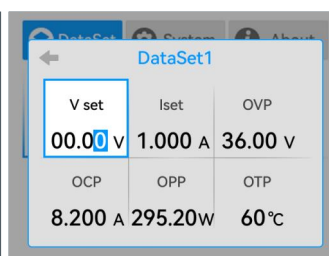
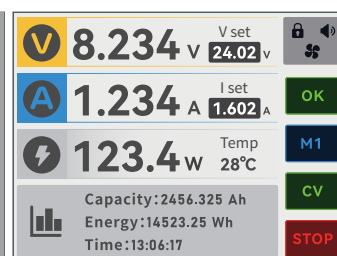




4-digit display



Real-time VI curve

Customize Protection
ThresholdsTemperature Detection
& Auto Fan Cooling

TECHNICAL SPECIFICATIONS

Output	Voltage	DC 0~36V
	Current	0~8A
	Power	0~288W
Setting Resolution	Voltage	0.01V
	Current	0.001A
Readback Value Accuracy	Voltage	±(0.3%+3 bits)
	Current	±(0.15%+5 bits)
Input		AC 100-240V (50/60HZ)
Output Channels		3
Output interface		Terminals ± & USB A & Type C
Operating Environment		-10°C~40°C, 0%~75%RH
Load Regulation Rate		±(0.2%+2 bits)
Cooling Solution		Automatic fan activation triggered by temperature detection
8 Major Protections	Overvoltage	0~36V
	Overcurrent	0~8.2A
	Overpower	0W~295.2W
	Overtemperature	0~99°C
	Undervoltage	0~36V
	Short circuit	✓
	Output reverse injection	✓
	Input reverse connection	✓

GENERAL CHARACTERISTICS

Display	2.8-inch Color Screen
Product Color	Black&Grey
Product Net Weight	1539g
Product Size	138*214*115mm
Standard Carton	60*54*31cm
Carton Gross Weight	23.4kg
Quantity Per Carton	12PCS

INTRODUCTION

The DPS150 is a high-performance programmable DC power supply with a Type-C input interface and multiple power modes. It allows precise adjustment of output voltage 0-30V and current 0-5A. This power supply is efficient, stable, low-consumption, with safety features including overvoltage, overcurrent, overload, overheating, and reverse connection protection. It's ideal for electronics engineers for power tests in new product development, for diagnosing and repairing electronic devices, and as a teaching tool in electronic and electrical engineering labs etc..

FEATURES

- Output DC voltage(0-30V)/current(0-5A)
- Multiple safety protection
- Supports PC host software
- 2.8-inch colorful screen
- Portable and exquisite



TECHNICAL SPECIFICATIONS

Input	Voltage	DC5.0V~32V
	Current	100mA~5A
	Note	Supports PD and QC fast charging protocols, power bank
Output	Voltage	0~30V
	Current	0~5A
	Power	0~150W
Set Resolution	Voltage	10mV
	Current	1mA
Readback Value Precision	Input Voltage	$\leq 0.2\% \pm 5\text{mV}$
	Output Voltage	$\leq 0.1\% \pm 10\text{mV}$
	Output Current	$\leq 0.1\% \pm 5\text{mA}$ (0~3.5A)
8 Major Protections	Overvoltage	0V~30.00V
	Overcurrent	0A~5.1A
	Undervoltage	0V~30V
	Overpower	0W~150.00W
	Overtemperature	0°C~99°C
	Reverse Input	✓
	Reverse Output	✓
	Short-circuit	✓
Measurement Switch		On/Off
Load Regulation		0.49%
Full Load Efficiency		96.3%
Operating Environment		0°C~40°C, 0%~75%RH
Style Switching		Regular/Industrial

GENERAL CHARACTERISTICS

Product Color	Black & Grey
Product Size	106×76×28mm
Display	2.8 inch HD colorful screen
Standard Accessories	Main device*1, Test Clip*2, Data Cable*1, Manual*1
Product Net Weight	178g
Standard Carton	54*42*37.7cm
Carton Gross Weight	18kg
Quantity Per Carton	40PCS

INTRODUCTION

The LPM-10A/B/C are multifunctional wire trackers designed for locating and measuring network cables. They emit signals and use a receiver to trace cable paths, check continuity, and detect faults. These models support automatic identification, cable length measurement, port flashing, wire pairing, and NCV detection, making them ideal for network wiring tasks. With a 2-inch HD color display, testing results are clear and easy to read. Widely used in network wiring, power systems, and communication facilities, they are essential tools for electrical engineering, network maintenance, and equipment management.



FEATURES

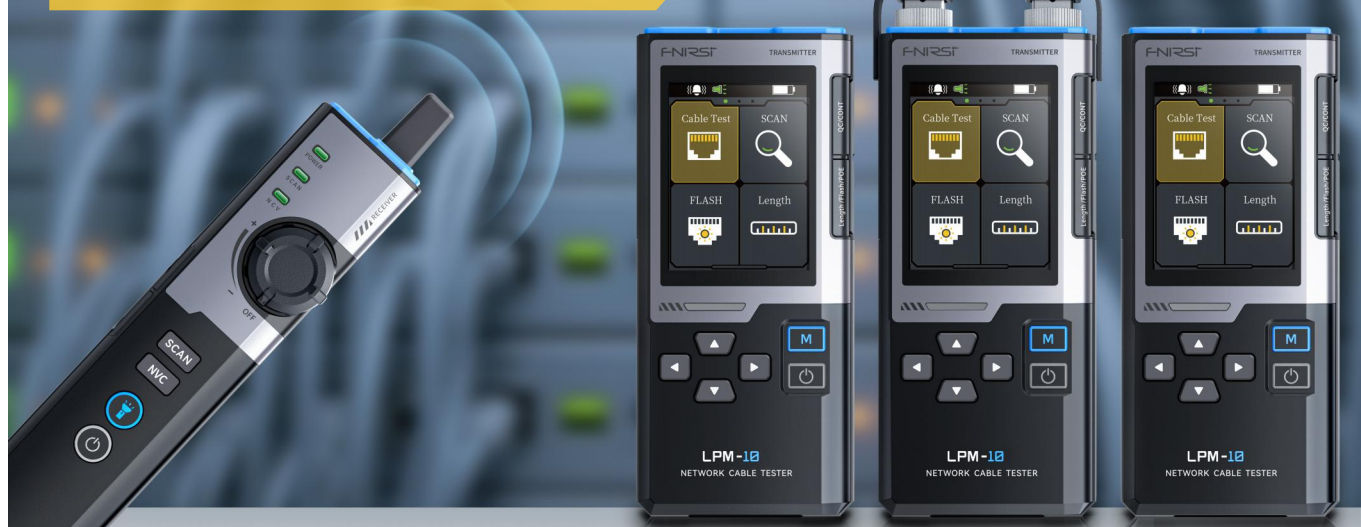
- Anti-interference tracking modes
- 10/100/1000Mbps network measurement
- 2" HD color display for clear readings
- Languages: English/Chinese

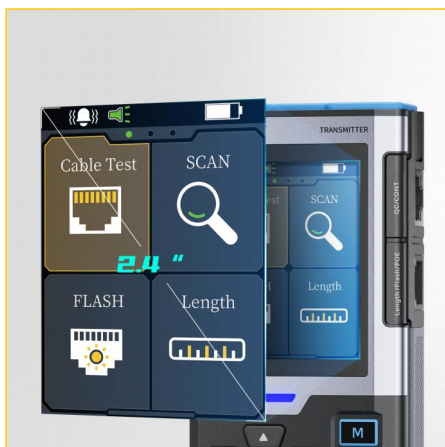


MULTIFUNCTION CABLE TRACKER

10 Test Functions

- Cable Tracing
- Connector Testing
- Anti-Interference, No Noise
- Cable Pairing
- NCV Detection
- Length Testing
- Network Cable Speed Test
- Port Flashing
- PoE Supply Testing
- Flashlight





TECHNICAL SPECIFICATIONS

	LPM-10A	LPM-10B	LPM-10C
Network Cable Test	Line alignment		
	Continuity and fault test		
	Error prompt		
Wire Tracing	Line tracing test		
	Anti-interference line tracing test		
Port Flashing	Full/wire pairs		
	Self-negotiating/ non-self-negotiating		
Length Measurement	2.5-500m		
POE Test	5-60V		
	Connection Methods: Endspan, Midspan		
	Standards: IEEE 802.3at/af/bt, Non-standard		
Interface Type	RJ45 connector		
Red Light Function	/	Optical power test 10mW	/
Optical Power Meter Function	/	Light wavelength: 580 / 1300 / 1310 / 1490 / 1550 / 1625 (nm)	/
PING Test	/	/	IP connection ping test
IP Scan	/	/	IP scanning
Receiver	Wire Tracing Line alignment NCV Function Headset Function Low Voltage Indication Flashlight function		

GENERAL CHARACTERISTICS

	LPM-10A	LPM-10B	LPM-10C
Product Color	Black & Grey & Blue		
Display	2.4 inch Color Screen		
Battery	TYPE-C charging / 1500mAh lithium battery powered		
Product Net Weight	186g	187g	187g
Product Size	152*68*31mm	167*68*31mm	152*68*31mm
Carton Gross Weight	20.82kg	20.86kg	20.86kg
Standard Carton	54*48*28.5cm		
Quantity Per Carton	40PCS		

INTRODUCTION

The FNAC28 & FNB48P & FNB58 are fast charging protocol detector and triggers with cool metal shells. It specializes in verifying the fast charging capabilities of different chargers, monitoring real-time charging situation with accurate voltage, current, power data, as well as simulating various protocols to supply relevant power to charge electronics which need particular power.



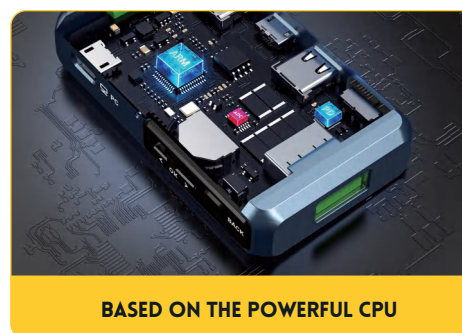
FNAC28

FNB48P

FNB58

FEATURES

- Metallic texture
- Fast transmission USB3.1 Gen2
- External 16-bit ADC/PD protocol physical chip
- Bluetooth APP/PC Host
- Automatic protocol detection
- Abundant protocols trigger
- Languages: English/Chinese



USB FAST CHARGE TESTER

MULTIPLE PROTOCOLS MEASUREMENT

COMPATIBLE WITH USB-A & TYPE-C

REAL-TIME MONITORING VOLTAGE & CURRENT

HIGH PRECISION

USB Fast charge tester

TECHNICAL SPECIFICATIONS

	FNAC28	FNB48P	FNB48P BT	FNB58	FNB58 BT
Bluetooth	/	/	✓	/	✓
Transmission rate	USB A: USB2.0; Type C: USB3.1 Gen2	USB A: USB2.0; Type C: USB3.1 Gen2		USB A: USB2.0; Type C: USB3.1 Gen2	
Display	1.06-inch HD LCD Screen	1.77" Full-Color TFT LCD Screen		2" TFT LCD Full-Color Screen	
Monitor Voltage	4~24V $\pm$ (0.2%+2); 5 bit 0.0001V	4~24V $\pm$ (0.2%+2); 6 bit 0.00001V		4~28V $\pm$ (0.2%+2); 6 bit 0.00001V	
Monitor Current	0~6.5A $\pm$ (0.2%+2); 5 bit 0.0001A	0~6.5A $\pm$ (0.5%+2); 6 bit 0.00001A		0~7A $\pm$ (0.5%+2); 6 bit 0.00001A	
Monitor Power	0~156W $\pm$ (0.5%+2); 5 bit 0.0001W	0~156W $\pm$ (0.5%+2); 6 bit 0.00001W		0~196W $\pm$ (0.5%+2); 6 bit 0.00001W	
Hi-speed ripple display	50k -> 3.2M Sa/s	50k -> 3.2M Sa/s		50k -> 4M Sa/s	
Hi-speed ripple bandwidth	320kHz	320kHz		400kHz	
Buzzer	/	/		✓	
Gravity sensing screen	180° Flip	90° Flip			
Low speed ripple display		2sps- > 100sps			
Trigger	QC2.0, QC3.0 / Huawei FCP, SCP / Samsung AFC/VOOC 1.0 / Super VOOC2.0 / VOOC/WARP	QC2.0, QC3.0 / Huawei FCP, SCP / Samsung AFC/VOOC 1.0 / Super VOOC2.0 / VOOC/WARP / PD protocol / PD convert / Packet capture on the PD table			
Load equivalent resistance	/	0~9999.9 Ω $\pm$ (0.5%+2); resolution: 0.0001 Ω			
D+/D- Voltage resolution	0~3.3V $\pm$ (1.0%+2); resolution: 0.001V	0~3.3V $\pm$ (1.0%+2); resolution: 0.001V			
Capacity calculation	0~9999.99Ah; resolution: 0.00001Ah	0~9999.99Ah; resolution: 0.00001Ah			
Energy used calculation	0~9999.99Wh; resolution: 0.00001Wh	0~9999.99Wh; resolution: 0.00001Wh			
Cable resistance calculation	0~999 Ω ; resolution: 1 Ω	0~9999.9 Ω ; resolution: 0.0001 Ω			
Running time	999hour; resolution: 1s	100days; resolution: 1s			
Record time	99hour; resolution: 1s	100days; resolution: 1s			
Capacity/Energy Statistics	5 Groups	10 Groups			
Battery capacity calculator	/	Default 3.7V, nominal value: 3.0~5V and conversion rate 80-100% adjustable			
Additional capacity	Cable Resistance/Detect DASH Cable/Simulate DASH Cable and APPLE 2.4A	PD Monitor/ Reading DASH cable / Simulate DASH cable / Supports Apple 2.4A acceleration / Tests E-marker cables/Cable resistance			
Input port	Dual male: USB A / Type C	Male: USB A & Dual female: Type C / micro USB			
Output port	Female: USB A / Type C	USB A female / Type C female			
Device temperature monitor	°C $\pm$ (1.2%+3) / °F $\pm$ (1.2%+4)	°C $\pm$ (1.2%+3) / °F $\pm$ (1.2%+4)			
PC/host	/	✓			

GENERAL CHARACTERISTICS

	FNAC28		FNB48P	FNB48P BT	FNB58	FNB58 BT
Product Material	Aluminum alloy					
Product Color	black	steel	black	blue	black	grayish blue
Product Size	73×36×12mm		78*39*14mm		82*42*12mm	
Product Net Weight	21g		38g		44g	
Standard Carton	40*36*29.5cm		48*44.5*25cm		48*44.5*25cm	
Carton gross Weight	12kg		19kg		19kg	
Quantity Per Carton	200PCS		200PCS		200 PCS	

INTRODUCTION

The HRM-10 is a handheld precision instrument specifically designed to measure the internal resistance of batteries. It is widely used in battery production, maintenance, and quality testing. By measuring the internal resistance, you can effectively assess the health and performance of batteries, identify potential issues, and ensure the reliable operation of your equipment.

FEATURES

- Automatic sorting with 8 groups threshold value
- Measuring range: 0~100V & 0~200Ω
- Support history records exported
- Languages: English/Chinese



HIGH-PRECISION INTERNAL RESISTANCE TESTER



**HIGH
MEASUREMENT
ACCURACY**



**TABULAR
DATA EXPORT**



**AUTO EVALUATE
MEASUREMENT
RESULTS**



**8 THRESHOLD
SETTING**



High-precision internal resistance tester

**TECHNICAL SPECIFICATIONS**

Voltage Range	Auto/1V/10V/100V $\pm 0.5\%$; 5 bit digit		
Resistance Range	Auto/20mΩ/200mΩ/2Ω/20Ω/200Ω $\pm 0.5\%$; 5 bit digit		
Range Mode	Auto and Manual (resistance/voltage)		
Sorting	Automatic sorting; 8 groups threshold value		
History Records	✓	Voltage Calibration	✓
Data Export	✓	Resistance Calibration	✓
Buzzer	✓ ; pass and fail		

GENERAL CHARACTERISTICS

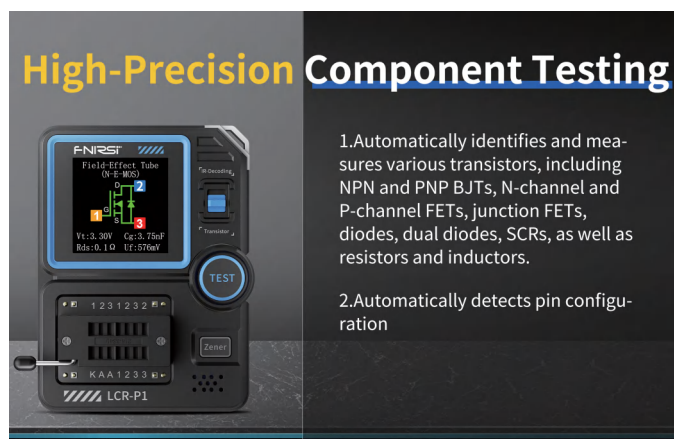
Battery	3.7V/1000mAh lithium battery	Standard Carton	63*38*44.5cm
Product Net Weight	225g	Carton Gross Weight	23.8kg
Product Size	158.7×80.5×28.4mm	Quantity Per Carton	50PCS

INTRODUCTION

The LCR-P1 is a high-precision, multi-functional transistor tester. It simplifies the testing and analysis of semiconductor components such as transistors, diodes, triacs, and field-effect transistors (FETs), rapidly and automatically recognizes performance conditions and detailed parameters. It is a portable and smart device can help electronic engineers, technicians, and electronics enthusiasts streamline operations and boosts testing efficiency.

FEATURES

- Fast testing with high precision
- Support to test types of components
- Auto recognize component Types and Pins
- 1.44-inch PPI colorful screen
- 300mAh lithium battery
- Portable and exquisite
- Languages: English /Chinese



TECHNICAL SPECIFICATIONS

Type	Range
Triode	$10 < \beta < 600$
Diode	Forward voltage drop $< 4.5V$
Zenor diode	0.01-4.5V 0.01-32V
Field-Effect Transistor(FET)	JFET IGBT MIOSTET
Unidirect ional SCR/Bidirect ional SCR	Turn-on voltage $< 5V$, gate trigger current $< 6mA$
Capacitor	25pF~100mF
Resistance	0.01Ω-50MΩ
Inductor	10uH-1000uH
Battery	0.1-4.5V
Infrared Remote Control Decoding	NEC protocol infrared code

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	79g
Product Size	71×87×28mm	Standard Carton	47*44.5*24cm
Display	1.44 inch colorful screen	Carton Gross Weight	15.1kg
Battery	3.7V, 300mAh Lithium battery	Quantity Per Carton	100PCS
Standard Accessories	Main device*1, Test hook*3, Replaceable Test Board*1, Data Cable*1, Manual*1		

INTRODUCTION

The LCR-ST1 is Tweezer-Shaped LCR bridge, a multifunctional and portable testing instrument that supports precise measurement of resistance, capacitance, inductance, and diodes. This product employs advanced measurement technology to ensure high accuracy and stability. Its 1.14-inch color screen shows data vividly. It is equipped with 250mAh lithium battery, providing long-lasting usage, and supports three frequency scenes: 100Hz, 1kHz, and 10kHz. The unique tweezer-shaped design makes it particularly suitable for fine operations in tight spaces, enabling quick testing of electronic components. Its light weight and portable features make it an indispensable tool for field engineers and electronics laboratory operators.

FEATURES

- Tweezer-shaped suitable for testing small components
- Fast testing with high precision
- Support various component test types
- 1.14-inch colorful screen
- 250mAh lithium battery
- Tweezer size for testing small surface-mount devices (SMD)



TECHNICAL SPECIFICATIONS

Specifications	Range	100Hz	1kHz	10kHz
Capacitor	1mF-22mF	5%±3	5%±3	/
	1μF-1mF	2%±3	2%±3	2%±3
	1nF-1μF	2%±3	0.5%±3	0.5%±3
	1pF-1nF	/	2%±3	2%±3
Inductor	1H-10H	5%±3	5%±3	/
	1mH-1H	2%±3	2%±3	2%±3
	10μH-1mH	2%±3	0.5%±3	0.5%±3
	1μH-10μH	/	/	2%±3
Resistor	1MΩ-10MΩ	5%±3	5%±3	/
	1kΩ-1MΩ	1%±3	0.5%±3	1%±3
	1Ω-1kΩ	1%±3	0.5%±3	0.5%±3
	10mΩ-1Ω	2%±3	2%±3	2%±3

GENERAL CHARACTERISTICS

Product Color	Black	Product Net Weight	41g
Product Size	28×19×150mm	Standard Carton	55*39.5*32.5cm
Display	1.14 inch colorful screen	Carton Gross Weight	18.5kg
Battery	3.7V, 250mAh Lithium battery	Quantity Per Carton	100PCS
Standard Accessories	Main device*1, Hook Head (one pair)*1, Magnetic Patch*1, Data Cable*1, Manual*1		

FNIRSI auxiliary tools encompass a variety of high-quality instruments designed to support and enhance various tasks. This series includes:

- **Welding Tools:** Precision for professional and DIY welding projects, ensuring strong and reliable welding results.
- **Home Renovation Tools:** Detection tools for home renovation, providing accuracy and ease of use.
- **Outdoor Tools:** Observation instruments for camping, outdoor adventures, and hunting.
- **Other Tools:** A diverse range of tools to meet various needs, such as paint thickness gauges for sheet metal etc..

The auxiliary tools are dedicated to delivering excellent performance, durability, and convenience, making them indispensable for professionals and enthusiasts.

Welding Tools

DWS-200	200W/110~250V , 100~450°C soldering station, induction sleep sensor rack, F245/F210 arm, T245/210 iron tips
SWM10	Portable handheld spot welding machine, 1200A MAX, Weld Thickness 0.1~0.25mm for Nickel sheet, iron sheet, stainless steel, 3.7V/5000mAh lithium battery
HS02A	Intelligent soldering iron, temperature: 100-450°C support 3 preset, 100W MAX / PD 9~20V, 6 X A type soldering iron tips: K / B / C2 / I / JS / KU
HS02B	Intelligent soldering iron, temperature: 100-450°C, 100W MAX / PD 9~20V, 3 X B type soldering iron tips: IS / I / K
HS01	Intelligent soldering iron, temperature: 80-420°C , with 6 x soldering iron tip: BC2 / BC3 / KR / K65 / B2 / ILS, PD plug 65W MAX / 9~20V

Home Renovation Tools

WD-02	Wall detector, max. detection depth 120mm, Non-ferrous metals 100mm, AC wire 50mm, Single-strand copper wire 40mm, Wooden 38mm; with battery 3.7V/300mAh, 3 sensitivity adjustments, TFT HD color screen
WD-01	Wall detector, max. detection depth 120mm, Non-ferrous metals 100mm, AC wire 50mm, Single-strand copper wire 40mm, Wooden 38mm; with battery 3.7V/300mAh, Electronic ink screen
IR40	Infrared rangefinder, 0.05~40m measuring range, Resolution 1mm, accuracy $L \times 10^{(-5)} + 2\text{mm}$, laser class II 620~670nm, with battery 3.7V/400mAh

Outdoor Tools

NVS-40	4K Ultra HD Binocular Night Sight Device, 3.5 inch high-definition IPS screen, 6X electronic zooming, 25mm Objective lens aperture, 300m in complete darkness
NVS-20	4K Ultra HD Digital Night Sight Device, 1.54 inch high-definition IPS screen, 6X electronic zooming, 25mm Objective lens aperture, 300m in complete darkness

Other Tools

CTG-20	Coating thickness gauge, 0~1400μm thickness gauge, 0.1μm resolution ratio, accuracy $\pm 3\% + 2\mu\text{m}$,
FD10	OBD Diagnostic Tool, supports CAN BUS/K LINE/L INE, Bluetooth V5.1, Software attributes: YMOBD



INTRODUCTION

The DWS-200 is a high-power precision soldering station. It is a hand tool commonly used in electronic welding processes. DWS-200 is built in high-power pure copper transformer, adapts to 110-250V voltage input to achieve max 200W fast heating effect. Reaching max 450°C it only costs 2s. It has 3 presets for temperature, which help users rapidly adjust available welding temperature. Inductive sleeping mode makes it durable and energy-saving. With practical functions of fast heating and responses, DWS-200 is positioned as an ideal tool for engineers, electronics major students, maintenance groups and enthusiasts.

FEATURES

- Fast heating up in 2s
- Support F245/F210 type handles
- Support 3 preset temperatures
- Precise temperature control
- 110-250V wide voltage input
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Temperature Range	100-450°C	ESD Protection	✓
Temperature Accuracy	±5°C; 2%	Working Voltage	110~250V
Heat-Up Time	2s melt Tin @ 200W	Input Fuse	3A

GENERAL CHARACTERISTICS

Screen	2.4-inch HD color screen	Standard Carton	68*48*27.5cm
Product Net Weight	1505g	Carton Gross Weight	16.5kg
Product Size	156*96*103mm	Quantity Per Carton	10PCS

INTRODUCTION

The SWM-10 is a portable handheld spot welding machine that is efficient, convenient and easy to carry. The double pulse spot welding technology is adopted to make the welding more stable and firm, and it also can be used as 5000mAh power bank. According to practical welding requirements, 4 major parameters on color screen can be adjusted to achieve an excellent welding condition. Device also supports single or continuous welding modes.

FEATURES

- 4 major parameters adjustable to achieve good welding effect
- Support nickel, iron, stainless steel sheets
- 1200A instant current achieves perfect welding performance
- Single or multiple welding mode adjustable
- Power bank with 5000mAh battery



PORTABLE INTELLIGENT COLOR SCREEN SPOT WELDING MACHINE



**MULTIPLE SECURITY
PROTECTION REMINDERS**



**SPECIAL SPOT
WELDING PEN**



**1200A CURRENT
DISCHARGE**



**INTELLIGENT
ANTI-BURNING**



Portable intelligent color screen spot welding machine

**TECHNICAL SPECIFICATIONS**

Welding Current	1200A MAX	Pulse duration	0~30ms
Welding Materials	Nickel sheet, iron sheet, stainless steel	Pulse Interval Time	0~20ms
Welding Thinckness	0.1~0.25mm	Number Of Welds	1, 2, 3, 4, 5
Charging / discharging	5V/2.1A	Screen	1.8-inch TFT color screen

GENERAL CHARACTERISTICS

Battery	3.7V / 5000mAh lithium battery	Standard Carton	61.5*35*43.5cm
Product Net Weight	300g	Carton Gross Weight	29kg
Product Size	155*82*29mm	Quantity Per Carton	50PCS

INTRODUCTION

The HS01 & HS02 are intelligent electric soldering iron with fashionable and matte-texture metal shells. They have perfect heating up performance in seconds and portable like a pen with you adapting to types of soldering scenes. They are practical and excellent choices for maintenance groups, tech enthusiasts, college students in electronics field.

FEATURES

- Temperature range: 80~450°C
- Fast heating up within 2s
- Precise temperature control 2%
- Comfortable grip with ergonomic design
- Support PD / QC protocols
- Mini size easy to carry

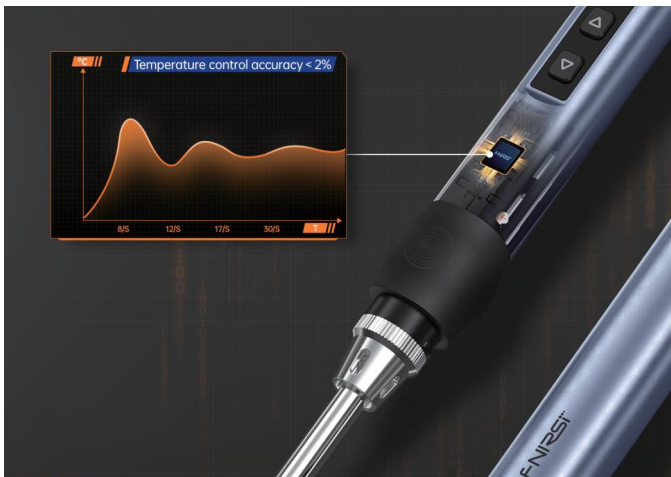


HS01

HS01

HS02 A

HS02 B



ACCURACY < 2%



INTEGRATED HEAD



AUTO SLEEP

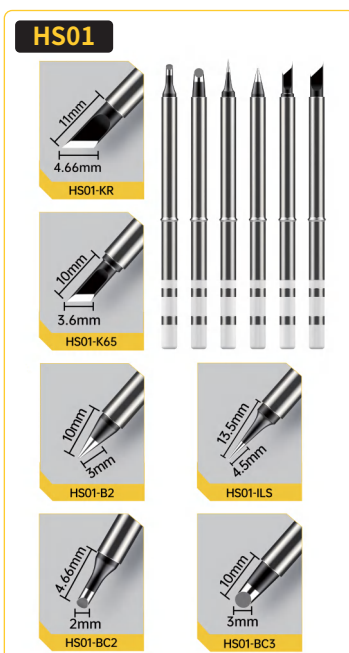


ESD PROTECTION

TECHNICAL SPECIFICATIONS

	HS01	HS01 M	HS01 F	HS02 A	HS02A F	HS02B	HS02B F
Temperature Range	80~420°C ±5°C; accuracy 2%			100~450°C ±5; accuracy 2%; 3 groups preset temperature			
Heat-Up Time	6s melt Tin @ 65W			2s melt Tin @ 100W			
Power	9/12/15/20V, 65W MAX			9/12/15/20V, 100W MAX			
Screen	0.87 inch OLED screen			0.96 IPS HD color screen			
Color	light blue & black			light blue & dark green			
ESD Protection	/			✓			
Power Input Port	Type C			Type C			
Charging Protocol	PD/QC			PD/QC			

Charging Accessories

Iron Tips

GENERAL CHARACTERISTICS

	HS01	HS01 M	HS01 F	HS02 A	HS-02A F	HS02B	HS02B F
PD Adaptor	PD 65W	/	PD 65W	/	PD 100W	/	PD 100W
Charging Cable	250W C2C cable	/	250W C2C cable	/	250W C2C cable	/	250W C2C cable
Soldering Iron Tips	BC2	BC2 / BC3 / KR / K65 / B2 / ILS		K / B / C2 / I / JS / KU		IS / I / K	
Product Net Weight	53g			60g			
Product Size	183*24*21mm			176*20*16mm			
Standard Carton	52*46.5*44cm			52*46.5*44cm			
Carton gross Weight	18.4kg	11.25kg	20.2kg	17.7kg	34.5kg	14.1kg	30.9kg
Quantity Per Carton	100PCS			50PCS			

INTRODUCTION

The WD-01 & WD-02 are wall detector to solve various problems encountered by users in decoration and drilling. It can detect wooden materials, metals, AC wire, steel bars, copper pipes hidden behind multiple materials like walls, ceilings, gypsum boards and cables etc..

FEATURES

- 3 modes for Wood/Metal&Magnetic/AC Cable objects
- Direction and intensity hints
- Circular hole positioning
- Center point buzzer alarm
- Languages: Russian/English/Portuguese/Japanese/Chinese



WD-01



WD-02

WALL DETECTOR SCANNER



AC



WOOD



METAL

ULTRA-DEEP DETECTION
UP TO 120MM

Wall Detector Scanner

**TECHNICAL SPECIFICATIONS**

	WD-01	WD-02
Detection Object	Electromagnetic/AC Cable/Wood/Metal	
Ferrous Metals	120mm Max	
Non-ferrous Metals	100mm Max	
AC Cable	50mm Max (220V/@50Hz; 110V/60Hz)	
Single-core Copper Wire	40mm Max (≥ 4 square millimeters)	
Wooden Block	20mm Exact Mode /38mm Deep Mode	
Indication Mode	Distance percentage, Light, Beeping freq.,	
Work Temperature	-10~50°C	
Unit Conversion	/	mm/inch
Sensitivity	/	Low/Medium/High 3 options
Display	Electronic ink display	TFT HD color screen
Languages	English/Chinese	English/Russian/Japanese/Portuguese/Chinese

GENERAL CHARACTERISTICS

	WD-01	WD-02
Battery	3.7V/300mAh lithium battery, standby time 2 hours	
Product net Weight	123g	
Product Size	138*68*22mm	
Standard Carton	51*42*25.5cm	
Carton Gross Weight	14kg	
Quantity Per Carton	50PCS	

INTRODUCTION

The IR40 is an economical smart rangefinder with measuring distances up to 40 meters. It can fast and instantly measure distance, height, area and volume data. Connecting with App by bluetooth, it brings you much more convenient operations for abundant measurement scenes, which is perfect for professionals in construction, forestry, surveying, outdoor sports and house renovation etc..

FEATURES

- Bluetooth to connect with Android/iOS mobile
- Automatic calculation of length, area and volume etc.
- 360° gravity sensor screen
- Language: English/Chinese



TECHNOLOGY CHANGES LIFE, INNOVATION LEADS THE FUTURE!



±2MM HIGH
PRECISION



360° GRAVITY
SENSOR



FRONT AND
REAR REFERENCE



MOBILE APP
INTELLIGENT LINKAGE

40M
RANGING



40M Smart Rangefinder



TECHNICAL SPECIFICATIONS

Measuring Range	0.05~40m $\pm$ (2mm+5 $\times$ 10 ⁻⁵ Dmm) ; resolution 1mm		
Advanced Measurement	length, area, volume, Pythagorean for height and arithmetical operation		
Additional Function	Supports connection with mobile through bluetooth, to store, calculate measurement data and supports photo-draw measurement		
Laser Class	Class II; 620~670nm	Two Benchmarks	Front datum and back datum
Measurement Time	0.1~3s	Display	1.3-inch HD IPS Screen
Work Temperature	0~40°C	360°Auto Flips	✓
Measurement Unit	m / ft / inch	Blue Tooth	✓

GENERAL CHARACTERISTICS

Battery	3.7V/400mAh lithium battery (3000 times continuous measurement after fully charged)	Standard Carton	46*33*25cm
Product Net Weight	38g	Carton Gross Weight	12.6kg
Product Size	81*36*20mm	Quantity Per Carton	100PCS

FNIRSI™ | NVS-40
4K Digital Night Vision device4K ULTRA-CLEAR
BINOCULAR NIGHT
VISION DEVICECOMPLETE DARK
VIEWING
DISTANCE 300MADAPTS TO
DAY AND NIGHTSUPPORT
PHOTOGRAPHY
& VIDEOGRAPHY6X ELECTRONIC
ZOOM4K
ULTRA HD

4K Digital Night Vision device



The NVS-20 & NVS-40 are economical night vision devices, which are designed for outdoor enthusiasts and security professionals, balancing performance and affordability. The devices provide clear visibility in complete darkness. The lightweight and durable design makes it easy to carry and use, suitable for camping, night hunting and night-time patrol etc..

FEATURES

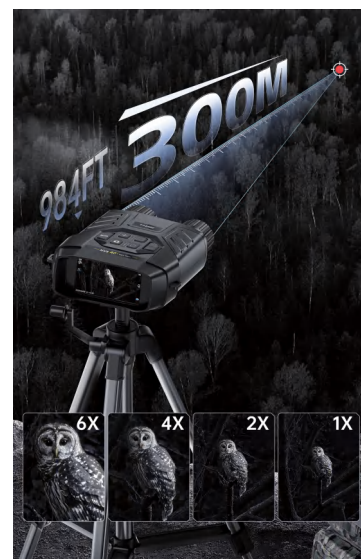
- 4K extra HD, 6X Zooming adjustable
- 300M reservation distance in darkness
- Adapts to day and night
- Supports photography, videography and playback
- 9 languages



NVS-20



NVS-40



GENERAL CHARACTERISTICS

	NVS-20	NVS-40
Monocular/Binocular	Monocular	Binocular
Magnification	× 6	× 6
Objective Lens Aperture	25mm	25mm
Observe Distance In Low Light	2~∞	2~∞
Field Of View	13°	13°
Observe Distance In Dark	300m MAX	300m MAX
Display	1.54 IPS screen	3.0 IPS screen
Video Pixel	4K(3840*2160)/2K(2560*1440)/ 1080FHD (1920*1080)/ 720P(1280*720)/VGA(640*480)/ QVGA(320*240)	
Video Function	Loop recording 10 mins max; WDR adjustment, Sport capturement, Date label	
Image Resolution Setting	36MP/32MP/30MP/24MP/20MP/16MP/12MP/10MP/8MP/5MP/3MP/VGA	
Image Quality	High-quality, Standard-quality, Economy-quality	
Languages	English/Japanese/English/French/Deutsch/Russian/Portuguese/Spanish/Chinese	
IR Lightness	✓	
Operating Temperature	-5~40°C	
Humidity	0~80%	
Memory Space	32G	

GENERAL CHARACTERISTICS

	NVS-20	NVS-40
Battery	3.7V/2000mAh lithium-ion battery	3.7V/2000mAh , lithium-ion battery
Product Net Weight	249g	315g
Product Size	152*42*82mm	153*136*56mm
Standard Carton	60*34.5*49cm	42.5*36*40.5cm
Carton Gross Weight	20.17kg	14.1kg
Quantity Per Carton	50PCS	20PCS

INTRODUCTION

The CTG-20 is a coating thickness gauge, designed to deliver unparalleled accuracy and reliability for your coating measurement needs in automotive, aerospace, marine, or industrial manufacturing industry. It can measure the thickness of non-magnetic coatings and paintings on the surface of magnetic or non-magnetic materials such as steel, iron and aluminum etc..

FEATURES

- Rapid measurement 0.5s
- Auto detects ferrous substrates and non-ferrous substrates
- Supports continuous measuring
- Languages: English/Chinese



HIGH-PRECISION SCREEN DISPLAY COATING THICKNESS GAUGE



HIGH MEASUREMENT
ACCURACY



0.5S RAPID
MEASUREMENT



AUTO RECOGNIZE
3 SUBSTRATES



POINT AND
CONTINUOUS
MEASUREMENTS



Coating thickness gauge



TECHNICAL SPECIFICATIONS

Probe Type	Magnetic induction & eddy current auto-induction probes for magnetic/non-magnetic materials		
Measuring capability	MIN area diameter 20mm; MIN convex radius 5mm; MIN concave radius 25mm		
Measurement mode	Point measurement and Rapid continuous measurement		
Measurement statistics	Minimum/ Average/Maximum and mode of single Maximum measurement		
Measuring Range	0~1400μm(±3%+2μm); resolution: 0.1μm	Display	2.0-inch IPS color screen
Measurement Time	0.5s	Work Temperature	-10~50°C
Calibration	zero point /multi-point calibration	Work Humidity	20%~90%

GENERAL CHARACTERISTICS

Battery	3.7V/600mAh lithium battery	Standard Carton	52*43*32cm
Product Net Weight	85g	Carton Gross Weight	20.14kg
Product Size	115*48*18mm	Quantity Per Carton	100PCS

INTRODUCTION

The FD10 Bluetooth OBD II diagnostic tool aims to assist with vehicle maintenance for the professional mechanic or a car enthusiast. It can rapidly scan the whole vehicle within 12 core contents which have more than 1000 items, then help users ensure the vehicle is running at its best and catch potential issues before they become obvious problems. It supports wide protocols such as ISO 9141, KWP2000, J1850 PWM, J1850 VPW, and CAN etc.. FD10 is compatible with both Android and iOS devices and utilizes the latest Bluetooth technology for fast and reliable data transmission.

FEATURES

- Bluetooth 5.1
- 360° full vehicle deeply scanning
- 8 languages



TECHNICAL SPECIFICATIONS

Protocols supported	SAE J1850 PWM, ISO 9141-2, 14230-4 KWP, 15765-4 CAN	Power Consumption	≤1W
Work Voltage	8~28V	Software App	YMOBD
Bluetooth Version	5.1	Operating System	Android / iOS
Diagnostic Functions	Reading and clearing trouble codes / viewing real-time sensor data / performing readiness tests / fuel consumption analysis		

GENERAL CHARACTERISTICS

Languages	English/Italian/Japanese/Korea/Russian/Spanish/Hindi/Chinese	Standard Carton	54*32.5*32cm
Product Net Weight	17.6g	Carton Gross Weight	7.3kg
Product Size	50*34*27mm	Quantity Per Carton	200PCS

FNIRSI offers a range of environmental detectors, including radiation detectors, formaldehyde detectors, gas detectors, sound level meters, anemometers, lux meters, Sugar meter, and wood moisture meters.

Radiation detectors: Your First Line of Defense Against Radiation.

Formaldehyde detectors: Breathe Easy. Detect Formaldehyde Instantly.

Gas detectors: Fire Prevention, Early Detection!

Sound level meters: Noise Pollution Monitoring, Caring for the Health of Your Family and your employees

Anemometers:Track The Wind In Real-Time, Stay Safe And Boost Efficiency

Lux meters: Measure Light, Illuminate Accuracy, Enhance Performance

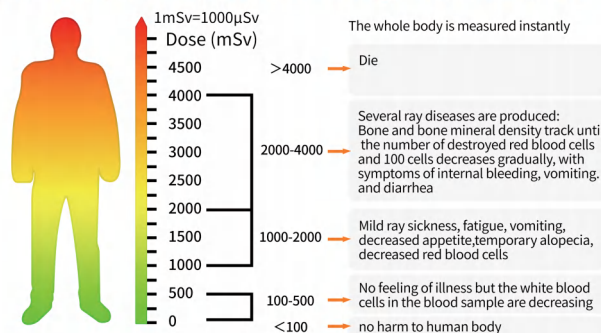
Sugar meter: Ensure The Perfect Sweetness In Every Bite With A Brix Meter

Wood moisture meters: Ensure Stable And Consistent Processing, Minimizing Wood Deformation

Radiation Detector



Medical Response To Short Time High Dose Radiation



International standard:

- Radiological worker: 20mSv/year (10μSv/h)
- General public : 1mSv/year (0.52μSv/h)
- 1μSv/h = 100μR/h; 1uR=1μ

Multiple Types of Environmental Detectors



Sugar Meter



Wood Moisture Meter



Environmental Detector

Type	Model	Application	Range	Other Function
Radiation Detector	※GC-03	Detect γ rays, etc. electromagnetic radiation	Nuclear radiation: 0.01 μ Sv/h-999.99 μ Sv/h Electric field: 1V/m-1999V/m Magnetic field: 0.01 μ T-99.99 μ T	Electromagnetic Radiation Detector
	※GC-02	Detect β particles, χ rays and γ rays	Nuclear radiation: 0.01 μ Sv/h-999.99 μ Sv/h	/
	※GC-01			
	※ERD-10	Detect electromagnetic radiation	Electric field: 1V/m - 1999V/m Magnetic Field: 0.01 μ T - 99.99 μ T	Temperature
Formaldehyde Detector	※SFD-02	Detect Formaldehyde & TVOC	Formaldehyde:0-2000PPM TVOC:0-10mg/m ³	Humidity Aldehyde Removal Counter
Gas Detector	※GD-02	Detect methane CH ₄ , natural gas, etc.	0~50000ppm (Methane) 0~100%LEL	Temperature & Humidity
Sound Level Meter	※FDM-02	Noise Test	30~130dB, ± 1.5 dB (94dB@1kHz)	Temperature & Humidity
	※FDM-01			
Anemometer	※FAM-02	Wind Speed Test	Wind Speed: 0~30 m/s Temperature: -20~60°C Humidity: 0~99%RH	Temperature & Humidity
Lux Meter	※FPM-02	Illuminance Detection	1000、9999、99990LUX	Temperature & Humidity
Sugar Meter	※JMB-20	Sugar concentration Test	0-55% $\pm 0.2\%$	Refractivity & Temperature
	※JMB-10		0-32% $\pm 0.2\%$	
Wood Moisture Meter	※WMT-10	Detect moisture content of wood & wall	0~75.0%	Temperature
	※WHD-02	Detect moisture content of wood	A: 12.4%~55% B:10.9%~48% C: 1.6%~22.1% D:0.1%~11% E:1.1%~8.7% F: 0.6%~9.9% G: 0.3%~16.6%	7 Moisture Modes Temperature & Humidity

INTRODUCTION

The SFD-02 Formaldehyde detector is a compact air quality monitor designed for homes, offices, and newly renovated spaces. It tracks formaldehyde and TVOC levels, humidity in real-time, helping users stay informed about air quality. Ideal for newly renovated environments, it quickly assesses harmful substances in the air to ensure safety. Additionally, it offers a historical data function to review past air quality. With its smart features, the SFD-02 helps maintain clean, safe air, protecting the health of your family and employees.

FEATURES

- Real-time monitoring/historical records
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Measuring Range	Formaldehyde: 0-2000PPM / TVOC: 0-10mg/m ³
Resolution	0.001mg/m ³
Accuracy	±(5%+50ppm)
Detection Hardware	Formaldehyde: Electrochemistry / TVOC: Semiconductors
Preheat Time	Formaldehyde: 5S / TVOC: 120S
Historical Records	24hours (Max)
Real-Time Measurement	✓
Humidity Detection	5%~99%RH

GENERAL CHARACTERISTICS

Product Color	White	Product Net Weight	196g
Product Size	75*45*95mm	Standard Carton	48.5*30*25cm
Display	2.4-inch tempered glass touch HD color screen	Carton Gross Weight	15kg
Battery	3.7V/1000mAh lithium battery	Quantity Per Carton	50PCS

INTRODUCTION

The GD-02 Combustible Gas Detector is specifically designed to detect the presence and concentration of flammable gases such as methane CH_4 , natural gas, and other hydrocarbons in the air. This device is essential for use in residential, commercial, and industrial environments, including gas stations, kitchens, chemical plants, boiler rooms, and underground pipelines areas where gas leakage poses a significant risk. Equipped with a high-sensitivity sensor 0.5s sampling rate, the detector provides real-time monitoring of gas concentrations. When gas levels exceed preset thresholds, it alerts users through audible and visual alarms.

FEATURES

- Methane, propane and isobutane gas concentration detection
- Response time (T90) < 5s, (T10) < 10s
- Settable concentration threshold for automatic alarm
- 2-inch high-definition color display
- Languages: English/Chinese



COMBUSTIBLE GAS DETECTOR

Water Heater

Gas Stove

Rv Propane Tank

Gas Fireplac

0-50000PPM
DETECT

36CM
FLEXIBLE PROBE

3 TYPES
ALARMS

CURVE
RECORDING

DATA RECORD
& HOLD

2"
2" IPS
COLOR SCREEN

RECHARGEABLE
LITHIUM BATTERY

°F & °C
SWITCHING

FLASHLIGHT
& BACKLIGHT

CH_4

C_3H_8

Natural Gas

LPG

TECHNICAL SPECIFICATIONS

Range	0~50000ppm (Methane), Res: 1ppm	Response Time	T90: <5s
	0~100%LEL, Res: 1%LEL		T10: <10s
Sampling Time	0.5s	Operating Temperature	-10~55°C

GENERAL CHARACTERISTICS

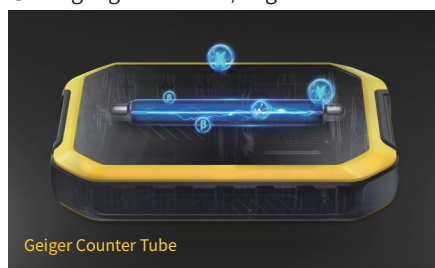
Battery	3.7V/1500mAh lithium battery	Display	2-inch Color Screen
Product Size	63*28*18.3mm	Product Color	Black&Blue
Product Net Weight	294g	Standard Carton	62.5*48*23.5cm
Quantity Per Carton	50PCS	Carton Gross Weight	24kg

INTRODUCTION

The GC-01 & GC-02 are precise and reliable radiation meters, used to measure for β particles, χ rays and γ rays. The devices adopt the technology of Geiger-Miller counter, can provide precise radiation dose measurement and shows comprehensive testing results. It is a necessary assistant for you to perceive radiation dose surrounding when you're in nuclear facilities, medical radiation environments, or handling radioactive materials.

FEATURES

- Geiger counter tube precision test
- Detects β particles, χ rays and γ rays
- Interconvertible measurement units
- Languages: Chinese/English

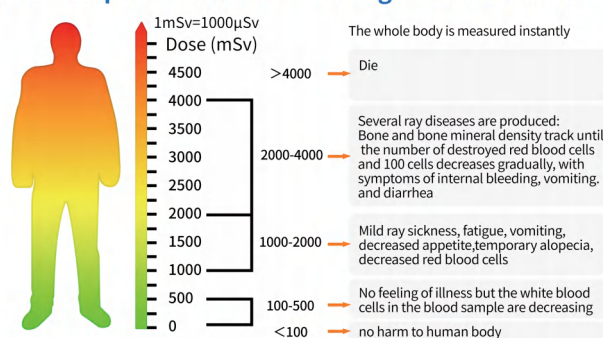


GC-01



GC-02

Medical Response To Short Time High Dose Radiation



International standard:

- Radiological worker: 20mSv/year (10 μ Sv/h)
- General public : 1mSv/year (0.52 μ Sv/h)
- 1 μ Sv/h = 100 μ R/h; 1uR=1y

TECHNICAL SPECIFICATIONS

	GC-01	GC-02
Ray Types	β particles, χ rays and γ rays	β particles, χ rays and γ rays
Impulse Dose Rate	0.00-10000 μ Sv/h(10mSv/h); 5 bit digit	0.00-10000 μ Sv/h(10mSv/h); 5 bit digit
Dose Accumulation	0.00 μ Sv-500.0mSv; 5 bit digit	0.00 μ Sv-500.0mSv; 5 bit digit
Detection Sensitivity	80CPM/ μ Sv(for Co-60)	80CPM/ μ Sv(for Co-60)
Sensor	Energy Compensated GM tube (Geiger counter tube)	Energy Compensated GM tube (Geiger counter tube)
Units Of Measurement	μ Sv/h, μ Gy/h, mR/h, cps, cpm (interconvertible)	μ Sv/h, μ Gy/h, mR/h, cps, cpm (interconvertible)
Energy Range	48keV-15MeV $\leq \pm 30\%$ (for 137Cs-)	48keV-15MeV $\leq \pm 30\%$ (for 137Cs-)
Display	IPS high-definition LCD screen	1.5-inch IPS high-definition LCD screen
Battery Life	10 hours	6 hours
Monitor Mode	/	10 sets time ranges to record surrounding radiation does.
Auto Sleeping	/	✓
Languages	English/Chinese	English/Deutsch/Japanese/Portuguese/Spanish/Russian/Korean/Chinese
Alarm Method	light, vibration, buzzer	

GENERAL CHARACTERISTICS

	GC-01	GC-02
Battery	3.7V/1100 mAh lithium battery	3.7V/850 mAh lithium battery
Product Net Weight	145g	73g
Product Size	123*78*26mm	106.5*44.5*25mm
Standard Carton	47*44.5*41.5cm	53*39*29.5cm
Carton Gross Weight	19.7kg	13.6kg
Quantity Per Carton	80PCS	100PCS

INTRODUCTION

The GC-03 is a multifunctional ionizing radiation detector, designed for protection instruments that protect people from harmful invisible threats both nuclear radiation and electromagnetic radiation. It employs advanced Geiger-Miller counter technology, offering high-precision real-time monitoring data. Equipped with a 2.4" HD color screen, it provides clear and easy-to-read data for convenient viewing. Widely used in nuclear power plants, radioactive waste management, medical radiation, environmental monitoring, laboratory research, and industrial safety, it is a key tool for recognizing radiation environments and ensuring the safety.

FEATURES

- Ionizing radiation and electromagnetic radiation detection
- Geiger-Miller counter tube precision test
- Alerts and data logging ensure your safety
- Languages: Chinese/English



MULTIFUNCTIONAL RADIATION DETECTOR



NUCLEAR &
ELECTROMAGNETIC
RADIATION



GEIGER-MILLER
COUNTER TUBE



AUDIBLE &
VISUAL ALARM



SENSITIVITY
ADJUSTMENT



DATA
RECORD



AUTOMATIC
SHUTDOWN



TECHNICAL SPECIFICATIONS

Range	Nuclear radiation: 0.01μSv/h-999.99μSv/h Acc: 0.01μSv/h	Radiation Type	Ionizing radiation (gamma rays, etc.)
	Electric field: 1V/m-1999V/m Acc: 1V/m	Dose Current Rate	0.00-10000μSv/h (10mSv/h)
	Magnetic field: 0.01μT-99.99μT Acc: 0.01μT	Sensitivity	80CPM/μSv
Cumulative Dose Equivalent	0.00μSv-500.0mSv	Dose Unit	μSv/h, μGy/h, mR/h, CPS, CPM
Detector	Energy compensation GM tube (Geiger counter tube)	Alarm Method	light, vibration, buzzer
Energy Range	48keV-1.5MeV ≤ ±30% (for 137Cs-)	Auto Sleeping	✓

GENERAL CHARACTERISTICS

Battery	3.7V/1500mAh lithium battery	Display	2.4-inch HD color screen
Product Net Weight	142g	Product Size	140*60*20mm
Standard Carton	52*33*21cm	Carton Gross Weight	12.4kg
Quantity Per Carton	50PCS		

INTRODUCTION

The ERD-10 is an electromagnetic radiation detector. It is widely known that old or damaged household appliances may give off more electromagnetic radiation than normal ones. Using high-power devices, industrial equipment, or living near high-voltage power lines can also raise the risk of EMF exposure. Therefore, the ERD-10 electromagnetic radiation detector is specially designed for use in above scenarios for homes, offices, vehicles, and outdoor environments, helping recognize radiation danger and protect your daily safety. To ensure real-time accuracy, it refreshes data every 0.5 seconds, providing fast and reliable detection of electromagnetic radiation levels.

FEATURES

- 2.4-inch high-definition color display
- 0.5 seconds refresh rate
- Real-time display of the measured values in the curve
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Parameter	Electric Field	Magnetic Field
Accuracy	1V/m	0.01μT
Range	1V/m - 1999V/m	0.01μT - 99.99μT
Alarm Threshold	40V/m	0.4μT
Power Range of Radiofrequency Radiation	0.2-1000mW/cm ²	

GENERAL CHARACTERISTICS

Product Color	Black&Blue	Product Net Weight	141g
Product Size	140*70*20mm	Standard Carton	52*43.5*25cm
Display	2.4-inch Colorful Screen	Carton Gross Weight	13.8kg
Battery	1000mAh Lithium battery	Quantity Per Carton	50PCS

INTRODUCTION

The FDM-02 & FDM-01 are designed for professionals who demand accurate and reliable sound measurement in different scenes such as monitoring and evaluating noise level of avenue, indoor environment, house improvement, music party venue and mechanical vibrations etc.. These two products are high-cost-performance devices that comply with the IEC651 TYPE 2 / ANSI S1.4 TYPE 2 standards, featuring a wide measurement range and real-time monitoring capabilities.

FEATURES

- Standard: IEC651TYPE2 / ANSIS1.4TYPE2
- Sampling rate: 2 times/s
- A (ear)/C (machine) weighting modes
- Languages: English/Chinese



FDM-01



FDM-02

SOUND LEVEL METER



NOISE



TEMPERATURE



HUMIDITY



TECHNICAL SPECIFICATIONS

	FDM-02	FDM-01
Measuring Range	30~130dB, $\pm 1.5\text{dB}$ (94dB@1kHz); resolution:0.1dB; 4 bit digits	
Sampling Rate	Fast: 0.5 times/second; Slow: 1 time/second	2 times/second
Frequency Range	20Hz-20kHz	31.5HZ~8.5KHz
Frequency Weighting	A&C-weighting	A-weighting
Dynamic Range	3.5dB	3.5dB
Display	2-inch Color screen	1.54-inch IPS screen
Sensitivity	Fast/Slow 2 options	
Alarm Method	Light	
Standard Meet	IEC651TYPE2 / ANSIS1.4TYPE2	

GENERAL CHARACTERISTICS

	FDM-02	FDM-01
Battery	3.7V/1500mAh lithium battery	3.7V/600 mAh lithium battery
Product Net Weight	212g	193g
Product Size	63*28*183mm	197*60*30mm
Standard Carton	62.5*48*23.5cm	55*38.5*36.5cm
Carton Gross Weight	19.75kg	16.5kg
Quantity Per Carton	50PCS	50PCS

INTRODUCTION

The FAM-02 is a high-precision vane anemometer featuring a compact and efficient design. It integrates wind speed, temperature, and humidity measurement with a dual-display interface. Engineered for reliable performance at an economical price, the device also includes data logging for convenient tracking and analysis. Equipped with a 2" high-definition display, offering both light and dark interface modes, makes it suitable for a wide range of indoor and outdoor environments monitoring. It is ideal for field applications and routine environmental assessments.

FEATURES



- 3 in 1 wind Speed & Temperature & Humidity
- Alarm Value Setting notify the user value exceeds
- Real-time monitoring with data logging
- Light and dark theme for easy readability in both indoor and outdoor
- Languages: English/Chinese



3 IN 1 DIGITAL ANEMOMETER

AUTOMATIC
ALARMREAL-TIME
MONITORINGDATA
HOLDFIRMWARE
UPGRADES

TECHNICAL SPECIFICATIONS

Wind Speed	Unit	Range	Resolution	Temperature	-20~60°C Acc: ±1°C(0~45°C) , ±2°C(45~60°C)
	m/s	0~30	0.1m/s		
	km/h	0~108	0.1km/h		
	ft/s	0~98.5	1ft/s	Humidity	0~99%RH Acc: ±5%RH(20~80%RH) ±6%RH(80%~99%RH)
	Knots	0~58.3	0.1Knots		
	mil/h	0~67.1	0.1mil/h		

GENERAL CHARACTERISTICS

Battery	1500mAh	Display	2-inch HD Color Screen
Product Color	Black&Blue	Product Size	63x28x193mm
Product Net Weight	197g	Standard Carton	62.5*48*23.5cm
Carton Gross Weight	18.5kg	Quantity Per Carton	50PCS

INTRODUCTION

The FPM-02 is a high-precision lux meter that also measures temperature and humidity, making it ideal for comprehensive environmental monitoring. Featuring a 2" HD color display with selectable light and dark modes, it ensures clear visibility in both indoor and outdoor settings. Customizable alarm thresholds allow for real-time alerts when conditions exceed set limits. The FPM-02 is widely used in offices, laboratories, greenhouses, photography studios, and urban areas where accurate illumination levels are essential for safety and performance.

FEATURES

- 3 in 1 Lux, temperature and humidity
- Light and dark theme for easy readability in both indoor and outdoor
- Real-time monitoring with curve recording
- Languages: English/Chinese



TECHNICAL SPECIFICATIONS

Illuminance Range	1000, 9999, 99990 LUX	Accuracy	± (3%+5Lux) (Calibrated to a standard incandescent bulb at 2854°K)
	100, 1000, 10000 FC		± (6% + 5 Lux) for other visible light sources
Resolution	0.1LUX (0~1000LUX)	Sampling Time	20Hz(50ms)
	0.1FC (10~1000)		

GENERAL CHARACTERISTICS

Battery	3.7V/1500mAh lithium battery	Display	2-inch Color Screen
Product Size	63x28x182mm	Product Color	Black&Blue
Standard Carton	62.5*48*23.5cm	Product Net Weight	205g
Quantity Per Carton	50PCS	Carton Gross Weight	19.7kg



INTRODUCTION

The JBM-10 & JMB-20 are sugar meters widely used in beverage, food, sugar, wine, agricultural industries etc.. We crafted with precision and performance in mind, make it go beyond mere measurement to become an essential part of your production process.

FEATURES

- Easy operation, 5-second reading
- Durable and Reliable IPX6 waterproof
- Anti-fouling scratch-resistant cover
- Language: English/Chinese



HIGH-PRECISION COLOR SCREEN SUGAR METER



0-55%
CONCENTRATION
RANGE



AUTO
CALIBRATION



HIGH
MEASUREMENT
ACCURACY



<5s
RAPID
MEASUREMENT



high-precision color screen sugar meter



TECHNICAL SPECIFICATIONS

	JBM-10	JBM-20
Concentration range	0-32%±0.2%	0-55%±0.2%
Temperature range	10-40°C	
Temp. compensation	✓	
Light source	Sodium lamp	
Display	1.54 inch IPS screen	
Waterproof	IPX6	

GENERAL CHARACTERISTICS

	JBM-10	JBM-20
Battery	3.7V/600 mAh lithium battery	
Product Net Weight	93g	
Product Size	46*31.5*125mm	
Standard Carton	58.5*41*34cm	
Carton Gross Weight	17.38kg	
Quantity Per Carton	100PCS	

INTRODUCTION

The WMT-10 inductive wood moisture meter features a 2.4-inch high-definition color screen, designed to assist the wood processing industry, wood users and the wall revonation groups in accurately measuring the moisture content of wood and wall. The WMT-10 supports four measurement modes: hardwood, softwood, plaster wall, and brick wall. It also includes data storage and viewing functions, providing users with convenient experiences on data management and analysis. Multiple-scene modes, data management, and accurate measurement capacity make it an ideal choice for the wood industry and the wall decoration groups, helping to improve wood production efficiency and product quality as well as supplying wall renovation guidance.

FEATURES

- 2.4-inch HD colorful screen
- Displaying Max value/Real-time value/Temperature
- Three colors displaying moisture levels
- Supports data storage and reviewing
- Languages: Chinese/English



TECHNICAL SPECIFICATIONS

Screen	2.4 inch	Display Resolution	0.1%
Maximum Sensing Depth	17mm	Refresh Rate	6times/s
Operating Temperature	0~40°C	Sensor Size	40.5x40.5 (mm)
Maximum Measurement Range	0~75.0%	Measurement Range	Plaster Wall: 0~25%
Accuracy	±1.5%		Brick Wall: 0~43%
Data Record	30pcs		Softwood: 0~75%
			Hardwood: 0~75%

GENERAL CHARACTERISTICS

Product Color	Yellow & Black	Product Net Weight	140g
Product Size	61*141*29mm	Standard Carton	52*43.5*25cm
Display	2.4 inch HD colorful screen	Carton Gross Weight	13.9kg
Battery	3.7V, 1000mAh Lithium battery	Quantity Per Carton	50PCS
Standard Accessories	Main device*1, Data Cable*1, Manual*1		

INTRODUCTION

The WHD-02 is a precision Pin-Type moisture meter for real-time measurement of wood moisture content, using dual stainless-steel probes for fast and accurate readings. It supports seven calibration groups (A-G) for different wood densities, ensuring consistent results across various materials. Featuring a 2-inch high-resolution color display, it also shows ambient temperature and humidity, offering integrated environmental monitoring. It is ideal for lumber processing, construction, flooring, and furniture manufacturing, ensuring process stability and quality consistency.

FEATURES

- 3 in 1 Wood Moisture Meter
- 0.5s refresh rate
- 2-inch HD color display
- Supports curve recording for data analysis
- Languages: English/Chinese



WOOD MOISTURE METER



WOOD

7 MOISTURE
MODE (A-G)

TEMPERATURE



HUMIDITY

CURVE
RECORDING

TECHNICAL SPECIFICATIONS

Moisture Mode	A	12.4%~55%	Softwoods (300~450 kg/m ³)	eg. pine, poplar, fir	Accuracy	0.10%
	B	10.9%~48%	Medium-density (450~550 kg/m ³)	e.g., walnut, birch	Resolution	0.10%
	C	1.6%~22.1%	Semi-hardwoods (550~650 kg/m ³)	e.g., cherry, elm	Sampling Time	2 times/second
	D	0.1%~11%	Hardwoods (650~750 kg/m ³)	e.g., oak, mahogany	Temperature	✓
	E	1.1%~8.7%	Tropical woods (750~850 kg/m ³)	e.g., teak, rosewood	Humidity	✓
	F	0.6%~9.9%	High-density (Over 850 kg/m ³)	e.g., ebony, ironwood		
	G	0.3%~16.6%	Special materials (Varies)	e.g., bamboo, plywood, composite panels		

GENERAL CHARACTERISTICS

Battery	3.7V/1500mAh lithium battery	Display	2-inch color screen
Product Color	Black&Blue	Product Size	63*28*148mm
Product Net Weight	185g	Standard Carton	62.5*48*23.5cm
Carton Gross Weight	18.5kg	Quantity Per Carton	50PCS

UI DESIGN OF DPOS350P 4-IN-1 MULTI-FUNCTION OSCILLOSCOPE

简体 English Русский

Português Deutsch にほんご



Oscilloscope



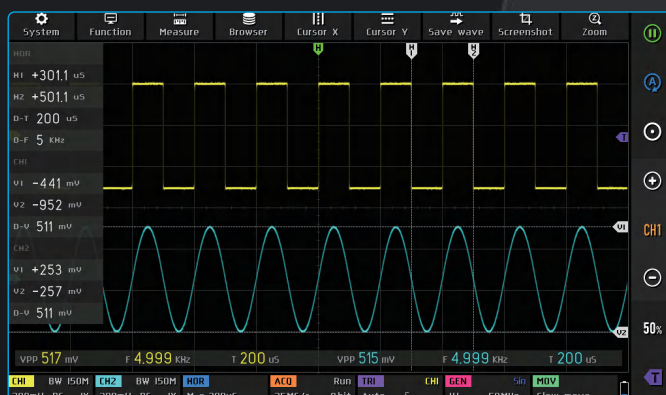
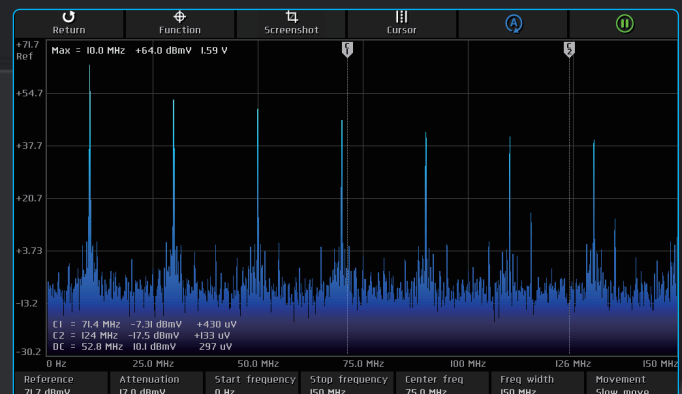
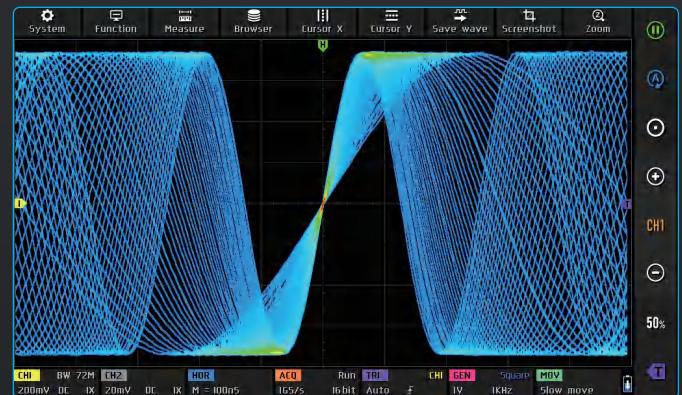
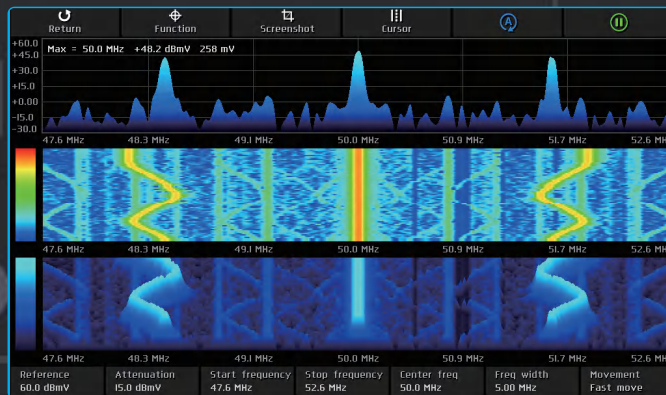
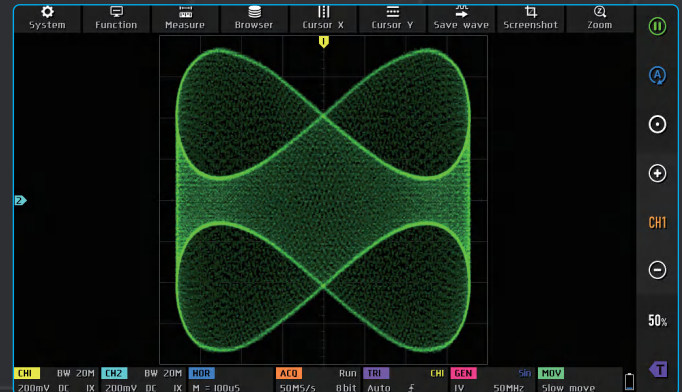
Signal Generator



Multimeter



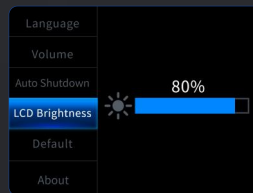
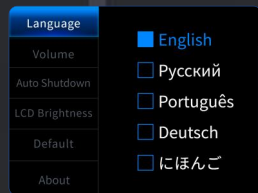
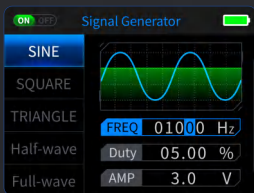
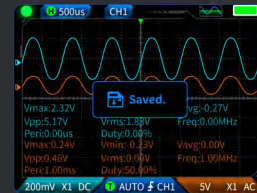
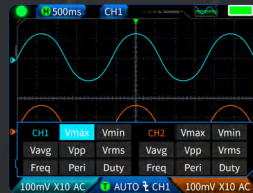
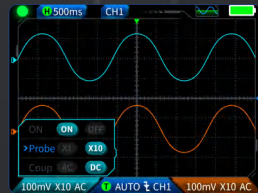
CONFIG



UI DESIGN OF 2C23T 2CH OSCILLOSCOPE MULTIMETER

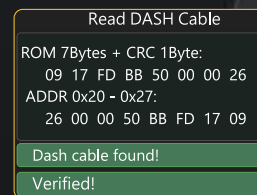
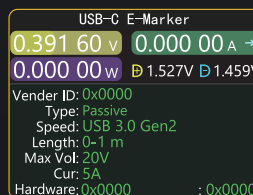
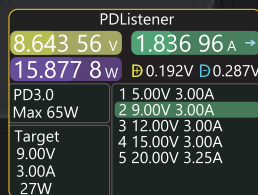
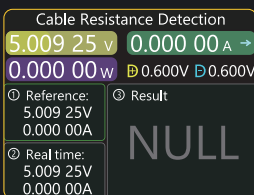
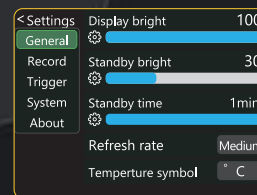
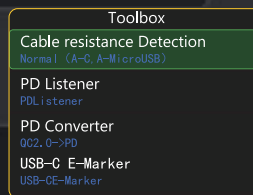
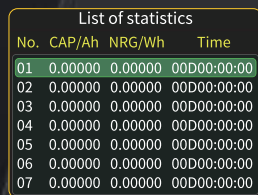
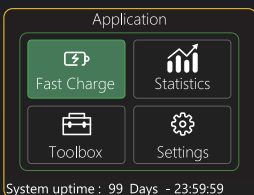
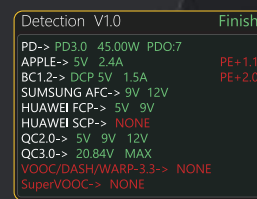
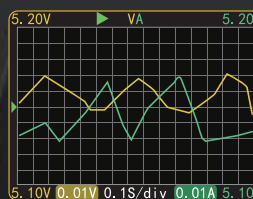
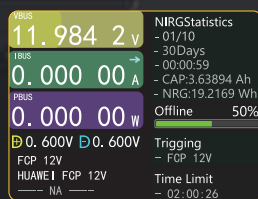
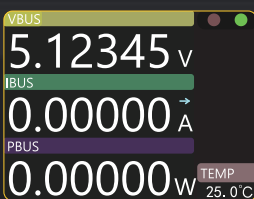
简体 English Русский

Português Deutsch にほんご



UI DESIGN OF FNB58 USB FAST CHARGE DETECTOR

简体 English



FNIRSI

FNIRSi

Shenzhen FNIRSI Technology Co., Ltd.



0755-28020752



www.fnirsi.com



business@fnirsi.com (Business)
service@fnirsi.com (Equipment Service)



8th Floor, West of Building C, Weihuada Industrial Park,
Dalang Street, Longhua District, Shenzhen, Guangdong Province



Contact Us