

2013
|
2025
9th edition

FNIRSI



2025 Products Catalog

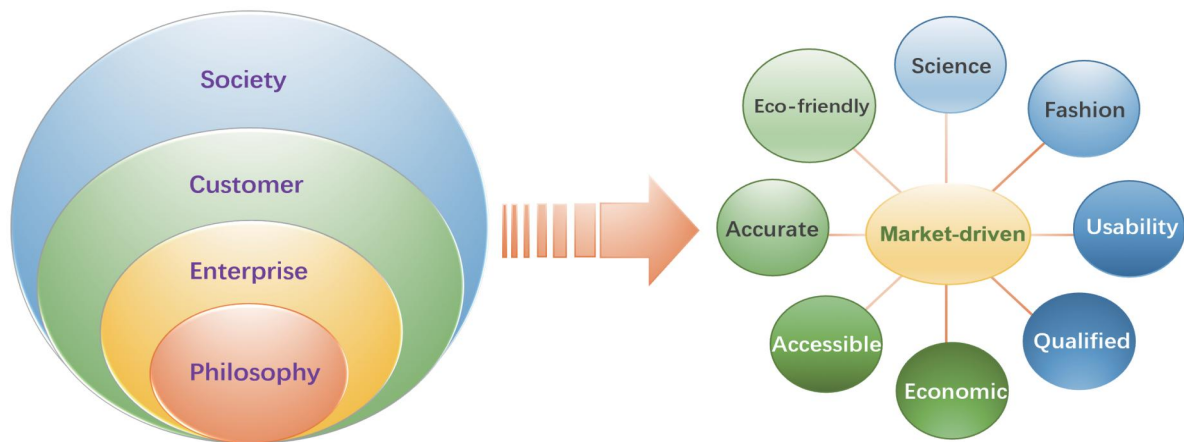
Shenzhen FNIRSI Technology Co., Ltd.

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.



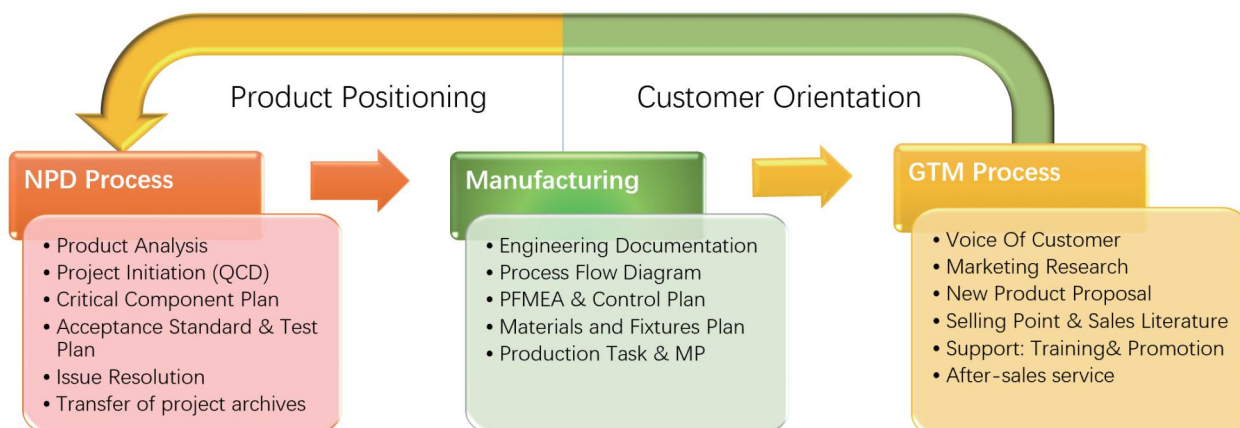
What drives our rapid growth?

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

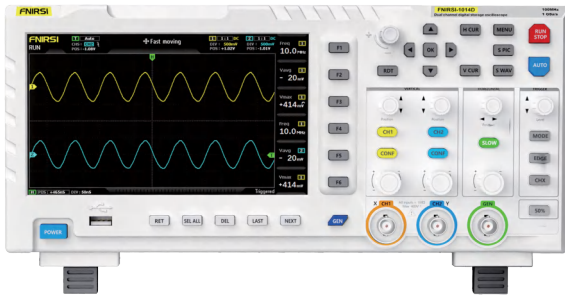
LCR-ST1

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

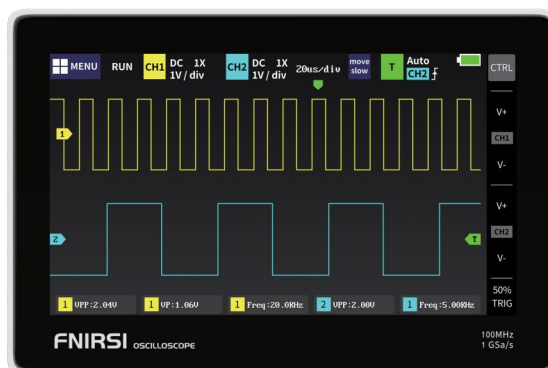
| | | | |
|--------------------|-------------------------------|----------------------|---|
| Product Color | White | Standard Carton | 65*40*43cm |
| Product Size | 310*145*70mm | Carton Gross Weight | 17.1kg |
| Display | 7-inch 800*480 TFT LCD Screen | Quantity Per Carton | 10pcs |
| Product Net Weight | 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

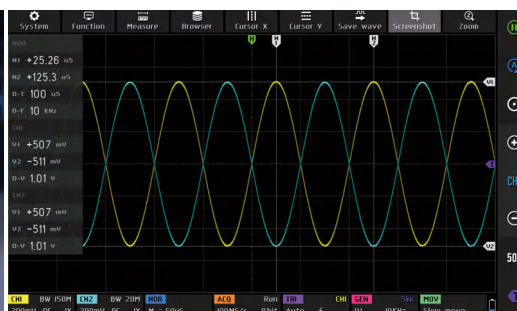
The DPOS350P is a high-performance 4-in-1 tool, combining a 350MHz dual-channel oscilloscope, 50MHz signal generator, 200K~350MHz spectrum analyzer, and 50MHz frequency response analyzer. With a 1GSPS real-time sampling rate, 350MHz bandwidth, and high waveform refresh rate, it efficiently captures and 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.

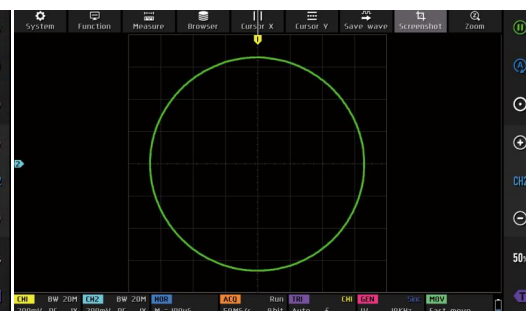


FEATURES

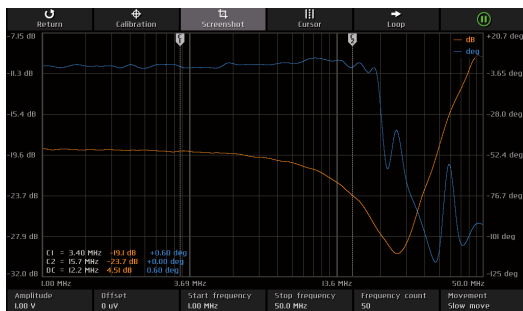
- One-stop integration 4 in 1, Oscilloscope/Signal Generator/Spectrum Analyzer/Frequency Response Analyzer
- Precise capture for low-probability anomaly signals with 350MHz bandwidth, 1GSa/s sampling rate, 50,000wfms refreshing rate
- 50MHz Signal Generator, support 14 types
- Spectrum Analyzer 200K~350MHz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



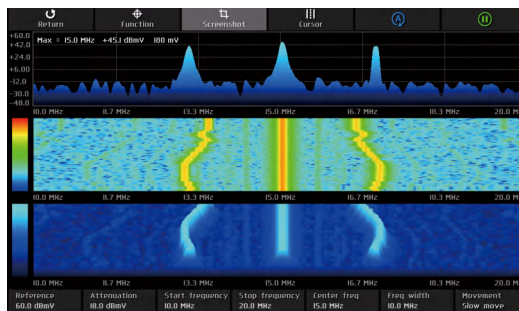
Cursor Measurement Interface



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 | 50,000wfm/s |
| 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**

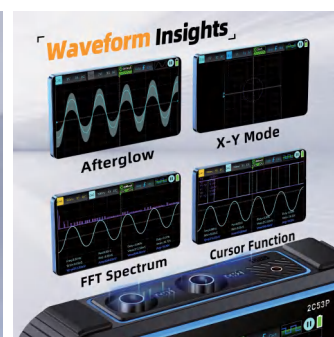


**TOUCH
SCREEN CONTROL**



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

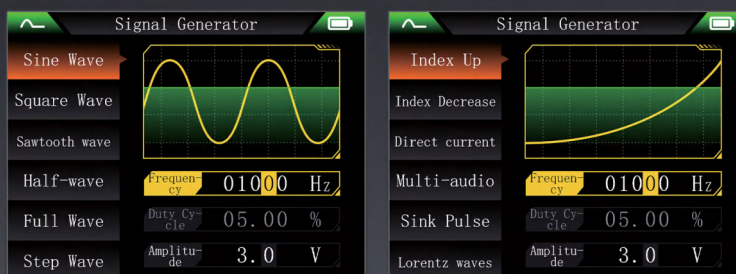
50MHz ANALOG BANDWIDTH

250MSa/s SAMPLING RATE



FUNCTION SIGNAL GENERATOR

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



4 1/2 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

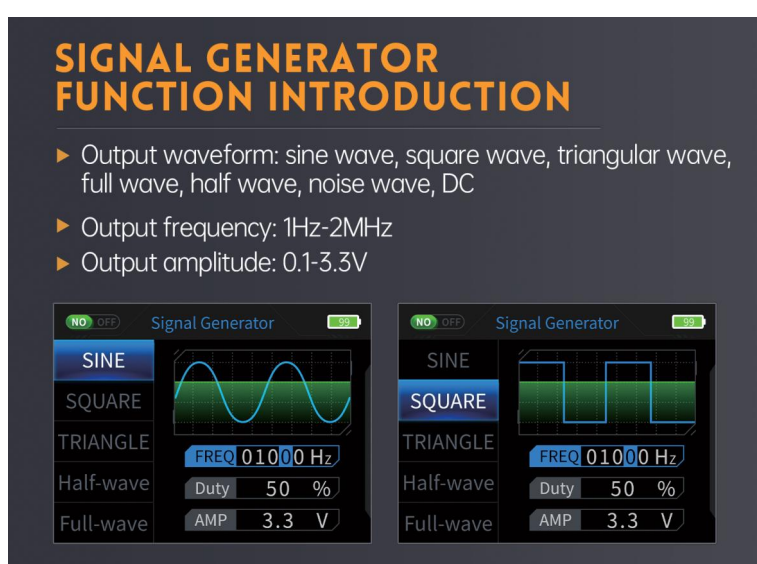
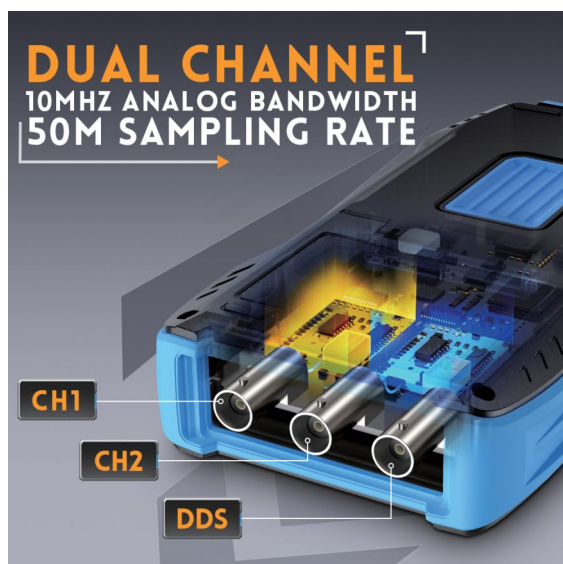
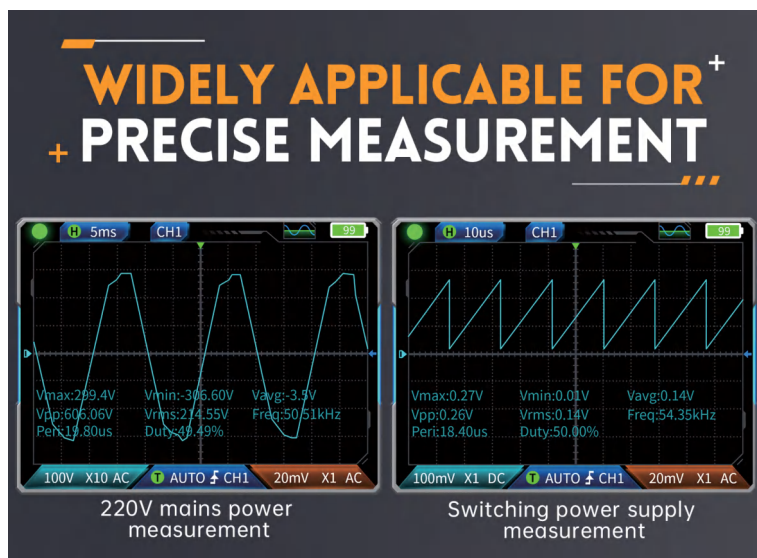
| | | | |
|-----------------------------|--|----------------------------|------------|
| Product Color | Blue & Black | Product Net Weight | 300g |
| Product Size | 167x89x35mm | Standard Carton | 49*45*30cm |
| Display | 2.8-inch TFT Real Color Screen (320*240) | Carton Gross Weight | 18kg |
| Battery | 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

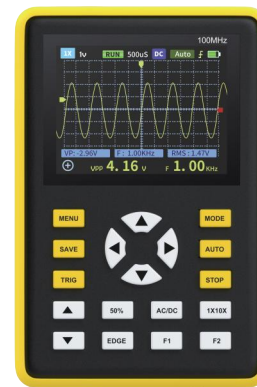
| | | | |
|----------------------|--|---------------------|------------|
| Product Color | Blue & Black | Product Net Weight | 300g |
| Product Size | 167x89x35mm | Standard Carton | 54*29*45cm |
| Display | 2.8-inch TFT Real Color Screen (320*240) | Carton Gross Weight | 14.4kg |
| Battery | 3.7V, 3000mAh, 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

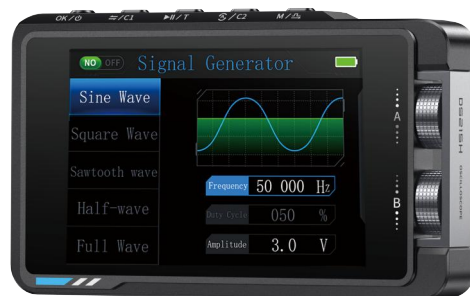
| | 1C15 | 5012H |
|-----------------------------|--|---|
| Bandwidth | 110MHz | 100MHz |
| Memory Depth | 120kpts | 128kpts |
| Time Base Scale | 5ns/div-10s/div | 6ns/div-50s/div |
| Auto Measurements | Freq, Pk-Pk, Duty+, Duty-, Amp, Amp+, Amp-, Max, Min, Cycle, RMS, Mean, Width+, Width-; 14 types | 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

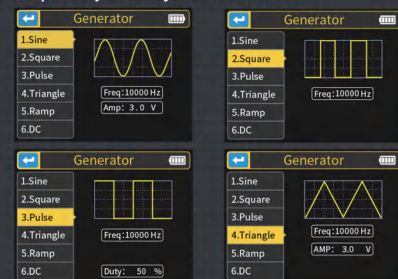


Digital Oscilloscope + Function Signal Generator+ Transistor Tester



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

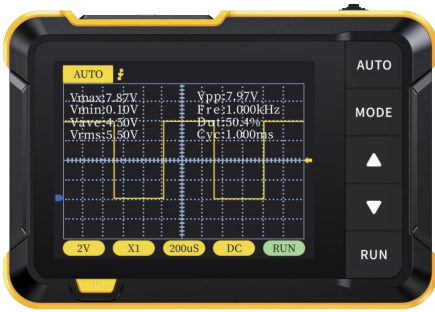
| Oscilloscope | | | |
|-------------------|--|----------------------|------------------|
| Bandwidth | 500kHz | Channels | 1CH |
| Sampling Rate | 10MSa/s | Vertical Sensitivity | 10mV/div-10V/div |
| Time Base Scale | 1μs/div-10s/div | Input Impedance | 1MΩ |
| Trigger Types | Auto/Normal/Single |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

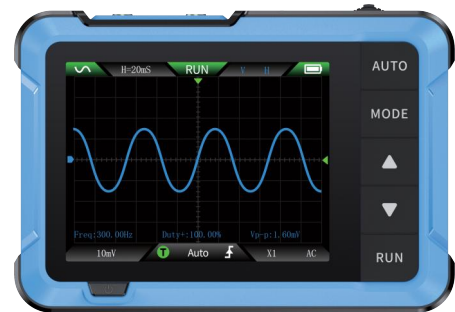
| Waveform Generator | | | |
|---------------------------|---|-------------------------------|-----|
| Max Frequency | 100kHz | Channels | 1CH |
| Resolution | 1Hz | | |
| Frequency Characteristics | Sine: 1-100KHz/0-3.3V/50% | Square: 1-100KHz/3.3V/50% | |
| | Pulse: 1-100KHz/3.3V/0-100% | Triangle: 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

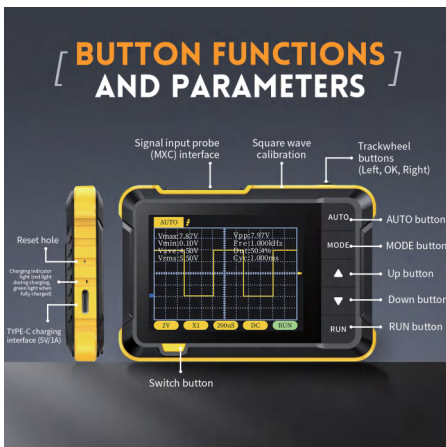
DS0153

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**

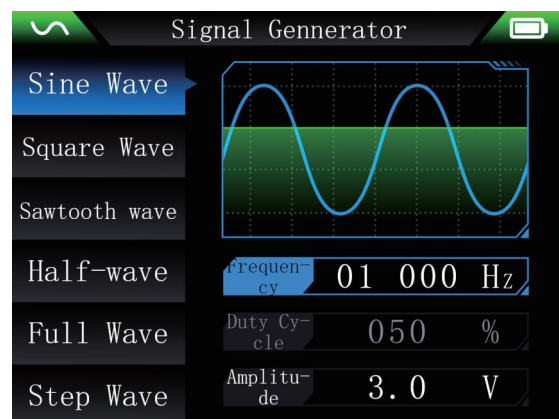
Real-time curve with min/max values and data saving



10MHz & 48MS

1MHz & 5MS

13 Signal Waveforms for Flexible Output



Signal Generator

Sine Wave

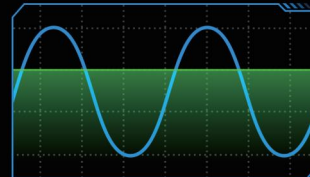
Square Wave

Sawtooth wave

Half-wave

Full Wave

Step Wave



Frequency 01 000 Hz

Duty Cycle 050 %

Amplitude 3.0 V

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 Ω 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

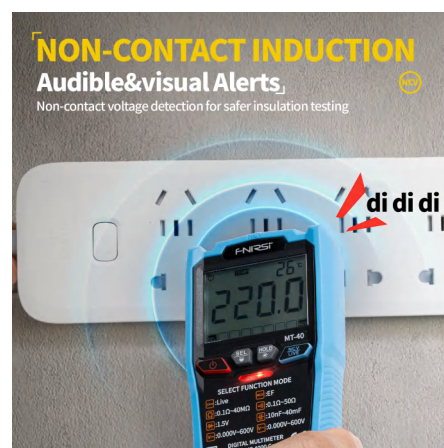
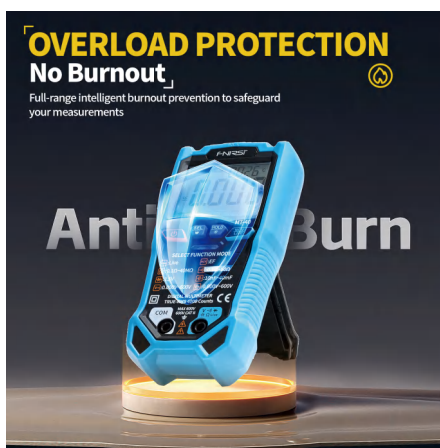
| | | | |
|----------------------|---|---------------------|----------------|
| Product Color | Blue | Product Net Weight | 130g |
| Product Size | 143*75*19mm | Standard Carton | 63*30.5*41.5cm |
| Display | Large LCD Screen | Carton Gross Weight | 17kg |
| Product Net Weight | 3.7V, 1000mAh, Lithium 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 Category | 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 voltage | | |
| 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

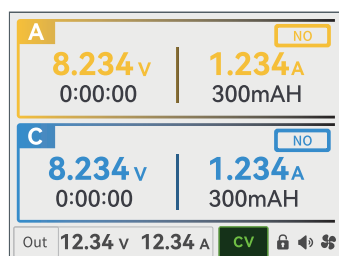
8A

MAX Current

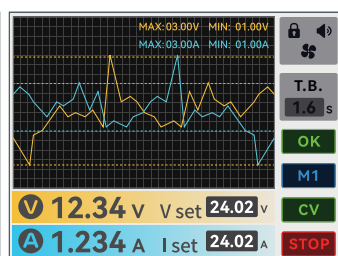
288W

MAX Power

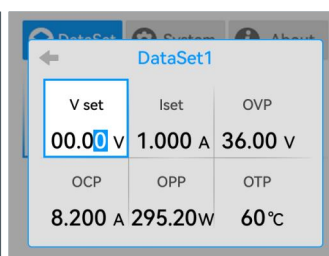
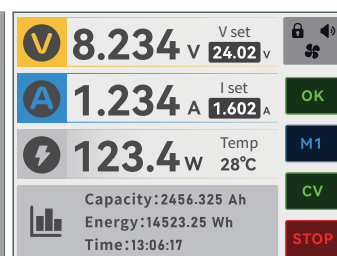




4-digit display



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

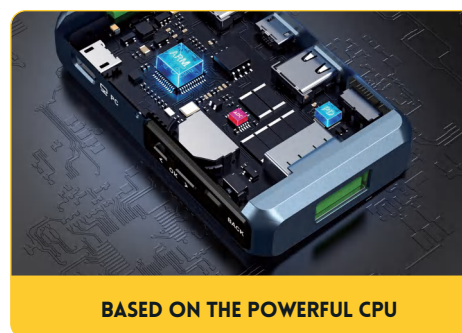
FNB58

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



AUTOMATIC PROTOCOL DETECTION PROTOCOL DECOY



BASED ON THE POWERFUL CPU

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

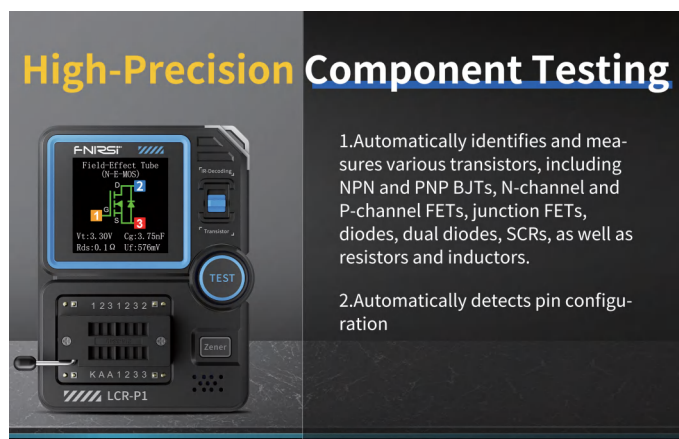
| | | | |
|---------------------------|------------------------------|----------------------------|--------------|
| Battery | 3.7V/1000mAh lithium battery | Standard Carton | 63*38*44.5cm |
| Product Net Weight | 225g | Carton Gross Weight | 23.8kg |
| Product Size | 158.7×80.5×28.4mm | Quantity Per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



HIGH POWER
RAPID HEATING



REAL-TIME
MONITOR POWER
AND TEMPERATURE



INDUCTION
SLEEP



PRESET 3
TEMPERATURES
FOR QUICK CALL



Intelligent soldering station

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

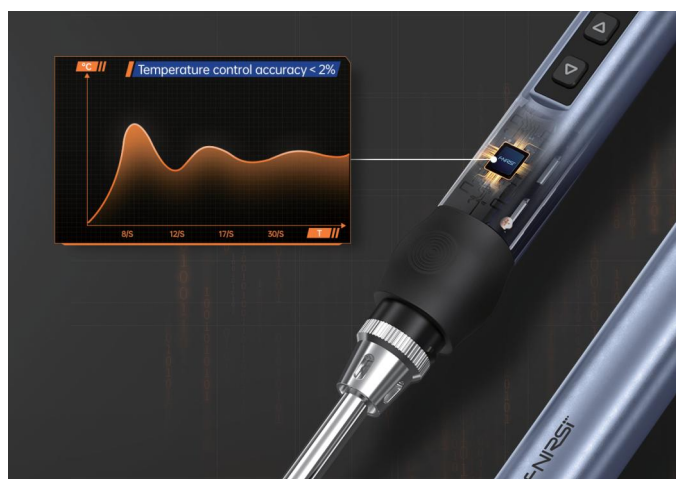


HS01

HS01

HS02 A

HS02 B



ACCURACY < 2%



INTEGRATED HEAD



AUTO SLEEP

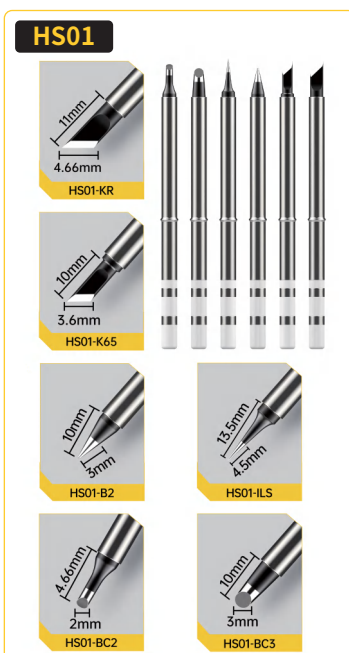


ESD PROTECTION

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 ±(2mm+5×10 ⁻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 DEVICE

COMPLETE DARK
VIEWING
DISTANCE 300M



ADAPTS TO
DAY AND NIGHT



SUPPORT
PHOTOGRAPHY
& VIDEOGRAPHY



6X ELECTRONIC
ZOOM



4K Digital Night Vision device



4K
ULTRA HD



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

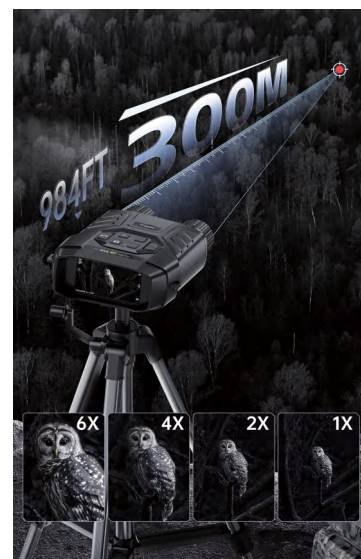
- 4K extra HD, 6X Zooming adjustable
- 300M reservation distance in darkness
- Adapts to day and night
- Supports photography, videography and playback
- 9 languages



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 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

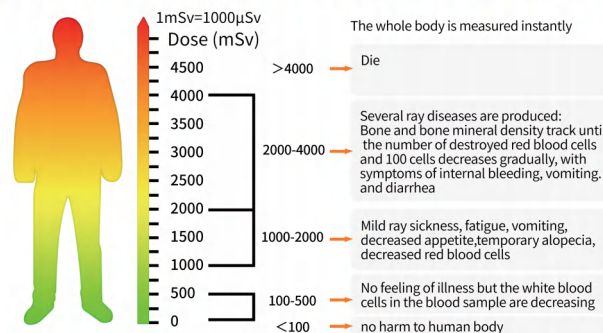
Sugar meter: Ensure The Perfect Sweetness In Every Bite With A Brix Meter

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

50000

0-50000PPM
DETECT36CM
FLEXIBLE PROBE3 TYPES
ALARMSCURVE
RECORDINGDATA RECORD
& HOLD2" IPS
COLOR SCREENRECHARGEABLE
LITHIUM BATTERY°F & °C
SWITCHINGFLASHLIGHT
& BACKLIGHT

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

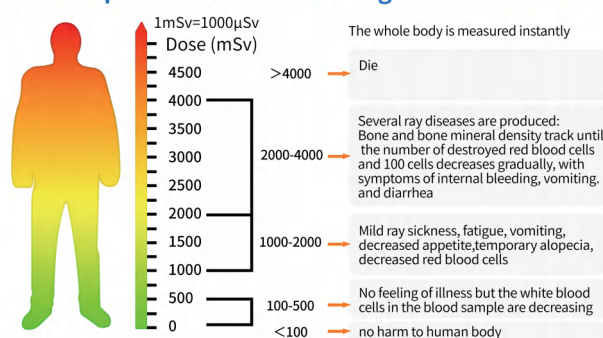


GC-01



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



ELECTROMAGNETIC RADIATION DETECTOR



CURVE RECORDING



AUTOMATIC ALARM



ELECTROMAGNETIC FIELD STRENGTH MEASUREMENT



RADIANT POWER MEASURE



REFRESH RATE 0.5S



TECHNICAL SPECIFICATIONS

| Parameter | Electric Field | Magnetic Field |
|---|----------------------------|------------------------------|
| Accuracy | 1V/m | 0.01 μ T |
| Range | 1V/m - 1999V/m | 0.01 μ T - 99.99 μ T |
| Alarm Threshold | 40V/m | 0.4 μ T |
| 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



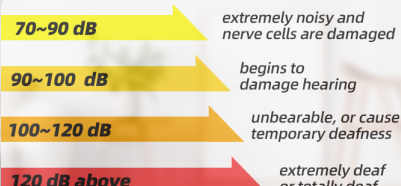
NOISE



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



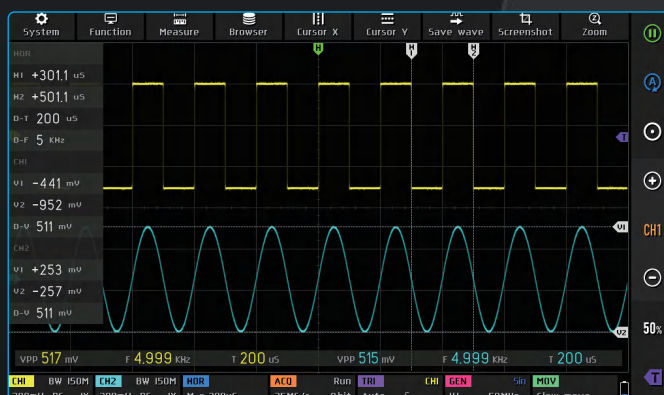
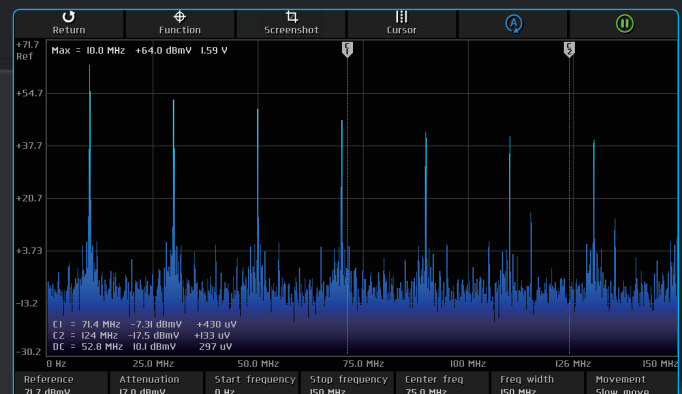
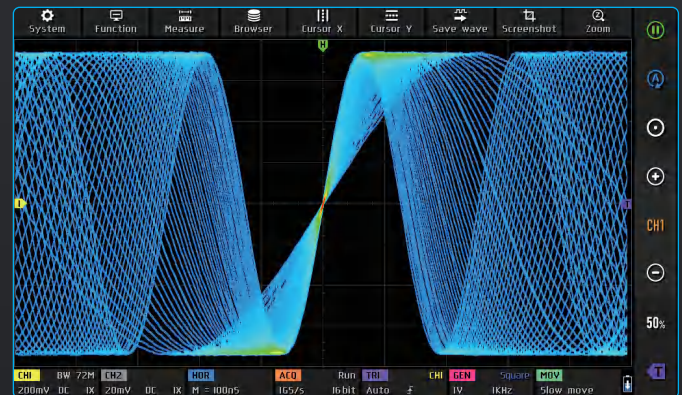
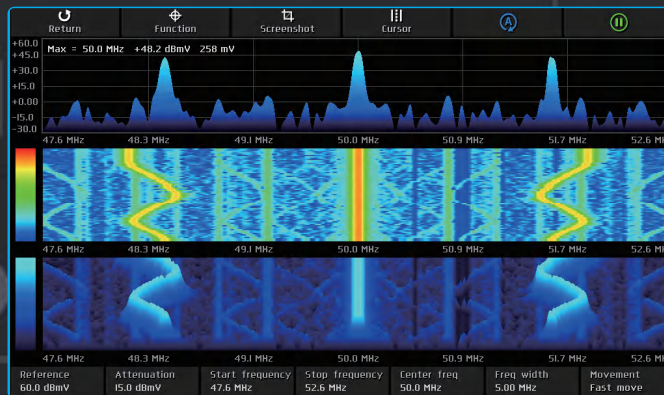
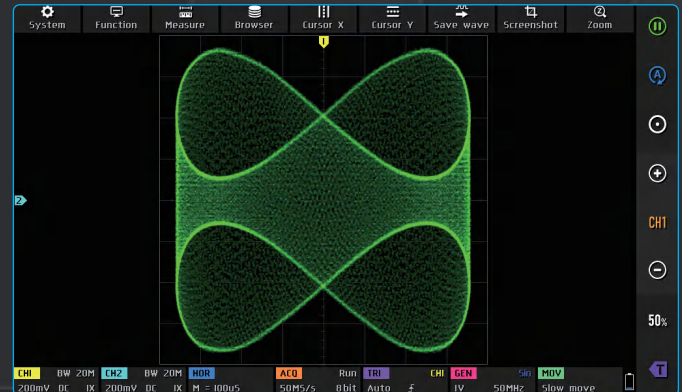
Signal Generator



Multimeter



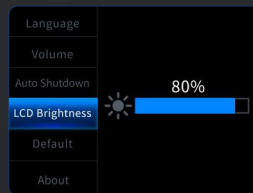
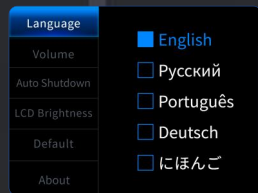
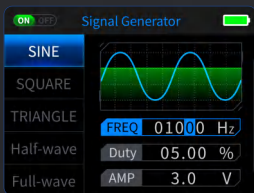
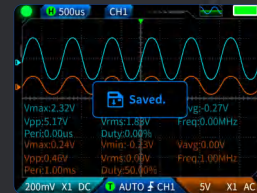
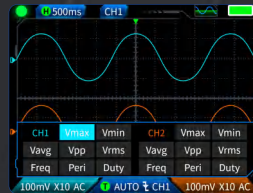
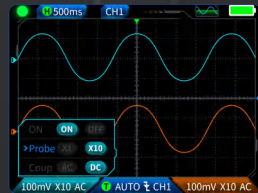
CONFIG



UI DESIGN OF 2C23T 2CH OSCILLOSCOPE MULTIMETER

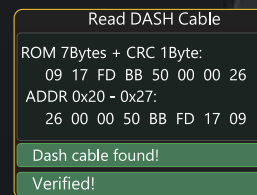
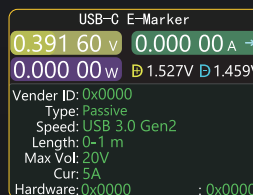
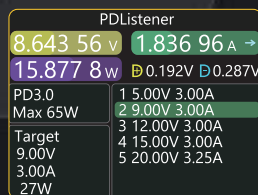
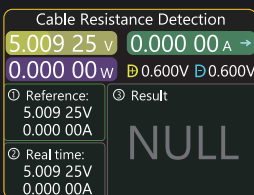
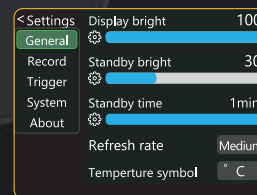
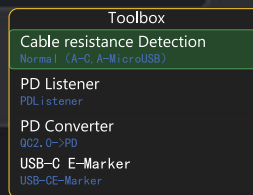
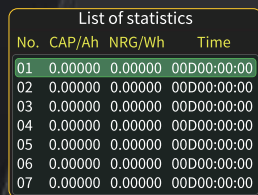
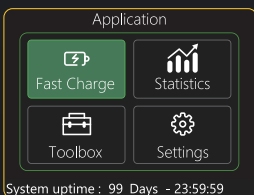
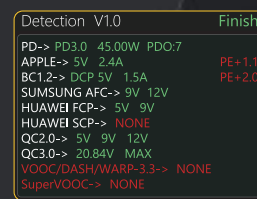
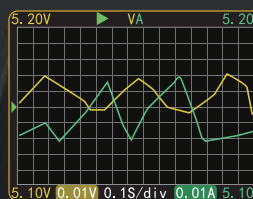
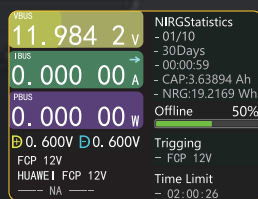
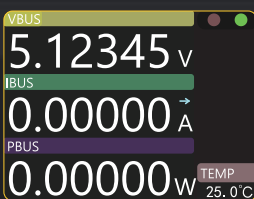
简体 English Русский

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