

TECHNOLOGICAL INNOVATION FAST CHARGING ERA

Explore the world of fast charging with FNIRSI



USB TESTER

Detection Protocol

Detection Power

APP

TYPE-C & USB INTERFACE HD LARGE SCREEN DISPLAY DATA AT A GLANCE

Equipped with a 2.0-inch LCD high-definition display. The measurement data is comprehensive and accurate. Equipped with 5P high current USB-A. The Type-C input and output interface is made of 24P pins made of fine copper. Let you become a technology expert in the field of fast charging.

- ① USB-A input
- ② PC interface
- ③ Function keys
- ④ Back button
- ⑤ USB-A output
- ⑥ Type-C input
- ⑦ Micro input
- ⑧ Type-C output
- ⑨ PD switch



USB TESTER

Detection Protocol

Detection Power

SUPER COMPATIBILITY

ULTRA-PRECISE DATA DETECTION

0.0001 low resolution. Real-time detection of subtle changes in voltage, current and power while charging.

COMPATIBLE

Huawei

super fast charge

Xiaomi

super fast charge

OPPO

Super Flash Charge

Apple PD
fast charge

Samsung
Fast Charge



PLAY WITH FAST CHARGING TECHNOLOGY

AUTOMATIC PROTOCOL DETECTION

PROTOCOL DECOY

PD2.0、3.0, PPS, QC2.0、3.0, FCP、SCP, AFC, PE, DASH VOOC, SuperVOOC....



ARUTOMATIC DETECTION



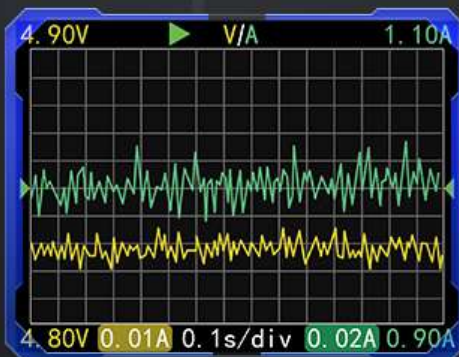
EXPERIENCE
UPGRADE

HUMAN-COMPUTER INTERACTION

SIMPLE OPERATION LOGIC LIKE EATING

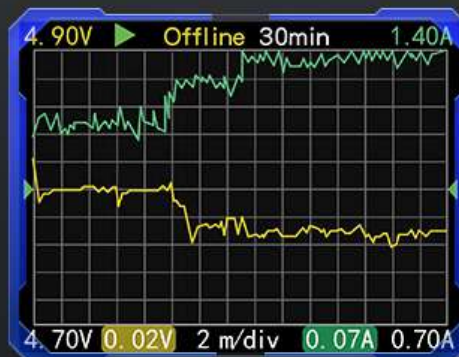
Simple display interface;Independent
function menu;Humanized operation.

FOUR FUNCTIONAL CURVE DISPLAY



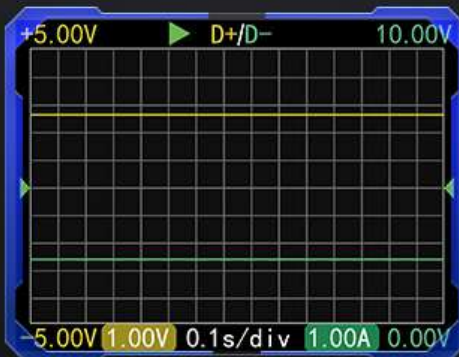
REAL-TIME VOLTAGE AND CURRENT CURVE

View charging curve changes in real time. Abnormal charging is found immediately.



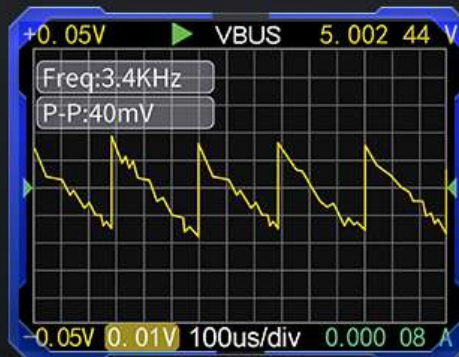
OFFLINE CURVE RECORDING

Supports up to 9 hours offline voltage and current curve recording. Show up during charging.



D+D1 VOLTAGE CURVE

Charging protocol changes. Master in real time.



HIGH-SPEED POWER SUPPLY RIPPLE MEASUREMENT

Charger Ripple Measurement. Throw inferior chargers in the trash.

CABLE DETECTION JUST USE FNB58

PD E-MARKER CABLE DETECTION

Read data information
of CC line with E-Marker chip

USB-C E-Marker

0.391 60 v 0.000 00 A →
0.000 00 w Ⓛ 1.527V Ⓛ 1.459V

Vender ID: 0x0000
Type: Passive
Speed: USB 3.0 Gen2
Length: 0-1 m
Max Vol: 20V
Cur: 5A
Hardware: 0x0000 Firmware: 0x0000

DASH CABLE DETECTION

Read DASH cable chip related data

Read DASH Cable

ROM 7Bytes + CRC 1Byte:
09 17 FD BB 50 00 00 26
ADDR 0x20 - 0x27:
26 00 00 50 BB FD 17 09

Dash cable found!

Verified!

CABLE INTERNAL RESISTANCE MEASUREMENT

With constant current load two-step
fast measurement of wire resistance

Cable Resistance Detection

5.009 25 v 0.000 00 A →
0.000 00 w Ⓛ 0.600V Ⓛ 0.600V

① Reference:
5.009 25V
0.000 00A

② Real time:
5.009 25V
0.000 00A

③ Result

NULL

10 GROUPS OF ENERGY RECORDING BATTERY CAPACITY CALCULATION

Support 10 sets of charge and discharge energy data records. Built-in battery capacity calculation formula. The battery capacity can be quickly calculated from the recorded data.



BLUETOOTH APP AND HOST COMPUTER

Driver-free installation, Synchronous Data Efficient & Convenient; Bluetooth APP overvoltage and overcurrent alarm.



REAL-TIME
MONITORING

Data record

Curve save



Note: IOS system does not currently support the use of.

PROTOCOL TRIGGER INTERFACE

PD Trigger

5.079 56 v 0.000 00 A →
0.000 00 W Ⓜ 2.724V Ⓜ 2.756V

5.00V
< >

3.00A
< >

1 5.00V 3.00A
2 9.00V 3.00A
3 12.00V 3.00A
4 15.00V 3.00A
5 20.00V 5.00A
6 3.30-21.00V 5.00A

Qualcomm QC2.0

5.022 62v 0.000 00 A →
0.000 00 W Ⓜ 0.603V Ⓜ 0.000V

5V 9V 12V 20V

Qualcomm QC3.0

5.606 71 v 0.000 00 A →
0.000 00 W Ⓜ 0.603V Ⓜ 3.270V

3.4-20.0 V
5.0V
-0.2V +0.2V

SAMSUNG AFC

9.012 57 v 0.000 00 A →
0.000 00 W Ⓜ 0.600V Ⓜ 0.068V

9V 12V

HUAWEI SCP

4.905 73 v 0.000 00 A →
0.000 00 W Ⓜ 0.599V Ⓜ 0.066V

3.4-5.50 V 25.0 W
5.00 V
-0.02V +0.02V

HUAWEI FCP

11.990 4 v 0.000 00 A →
0.000 00 W Ⓜ 0.600V Ⓜ 0.600V

5V 9V 12V

VOOC/WARP

5.606 71 v 0.000 00 A →
0.000 00 W Ⓜ 2.708V Ⓜ 2.763V

4.0-5.5 V
5.6V
-10mV +10mV

SVOOC 1.0 10V 5A

10.044 2 v 0.000 00 A →
0.000 00 W Ⓜ 3.299V Ⓜ 1.556V

Please wait until the voltage
become 10V.
If it takes too long, it may fail.

PRODUCT PARAMETERS



INDEX	RANGE	RESOLUTION	ACCURACY
Monitor voltage	4~28V	0.00001V	±(0.2‰+2)
Monitor current	0~7A	0.00001A	±(0.5‰+2)
Monitor power	0~120W	0.00001W	±(0.5‰+2)
Load Equivalent Internal Resistance	0~9999.9Ω	0.0001Ω	±(0.5‰+2)
D+/D- voltage	0~3.3V	0.001V	±(1.0‰+2)
Device Temperature	°C	1°C	±(1.2‰+3)
	°F	1°F	±(1.2‰+4)
Capacity	0~9999.99Ah	0.00001Ah	
Energy used	0~9999.99Wh	0.00001Wh	
Cable internal resistance	0~9999.9Ω	0.0001Ω	
Equipment runtime	99 days 23:59:59	1s	
Record time	99 days 23:59:59	1s	

*The various data mentioned on this page. Unless otherwise specified, all are from FNIRSI laboratory. Due to the changes of considerable environmental factors in the actual use process, the data will have different errors.

*Product dimensions are measured by hand. There are slight errors in the data. Please refer to the actual product.