J7-C USB C Tester,KJ-KayJI 2 in 1 Tester Color Screen IPS Digital Instructions

J7-C USB

Basic instructions for tester use

Contents

You will get:

1. USB Tester
2. USB alligator clip
3. Micro-USB adapter(OTG adapter)

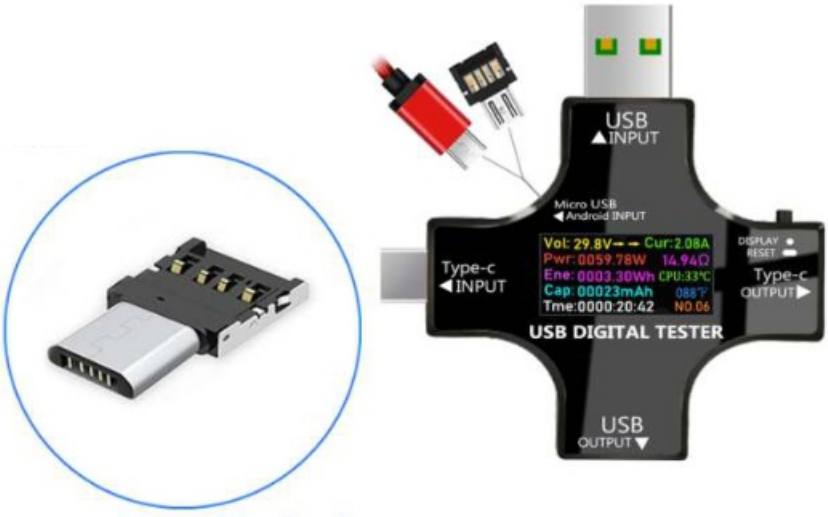
Tester Button Description
Press Once-Click: Switch the Display Interface Fast Double-Click: Capacity mAH Clear Fast Press Three-Click: Current WH Clear Fast Press Four-Click: Time Clea Fast Press Five-Click: Switch Data Storage Group Long Press Button, Clear the current group data

How to test USB C devices

Insert a Micro-usb adapter(OTG Adapter) into the Micro-usb input port of the tester to enable the USB C charging function. –
If the OTG Adapter is not inserted, the tester may not display the screen.

Scope of application:

Micro-usb cable, USB A to USB C Cable, USB C to USB C Cable. USB A Charger, USB C Charger, Power Bank and other USB devices.



Common Problem

1. How to use the tester on USB C charger/Cable?
   Answer: Insert a Micro usb adapter (OTG Adapter) into the Micro usb input port.
2. The tester beeps and shuts down.
   Answer: The tester supports a voltage and current range of 3.6V~32V, 0~5.1A The working temperature is –10 °~60 °. Beyond this range, the tester will automatically shut down. Early warning range of initial voltage and current of tester:>10A, >35V<0A If it is manually adjusted to>2A,>5V, most chargers will beep and turn off when using this adjusted tester.
3. The data before and after the tester is pulled out are different.
   Answer: The tester retains the data of 2-3 seconds before unplugging. the information is correct and there is no error.
4. How to check the charger. The cable supports fast charging.

Answer: If you switch to the 4-wire data interface and display “FCP”and “FAST”, fast charging is supported.

5. How to check the quality of the charger.

   Answer: Record the voltage and current supported by the charger,insert the tester to connect the cable to the mobile phone/load, and the tester displays the voltage and current.If 5V/3A is supported, the quality of the charger is excellent; if the voltage is lower than 5V,the quality is poor.

6. Check the power bank power.

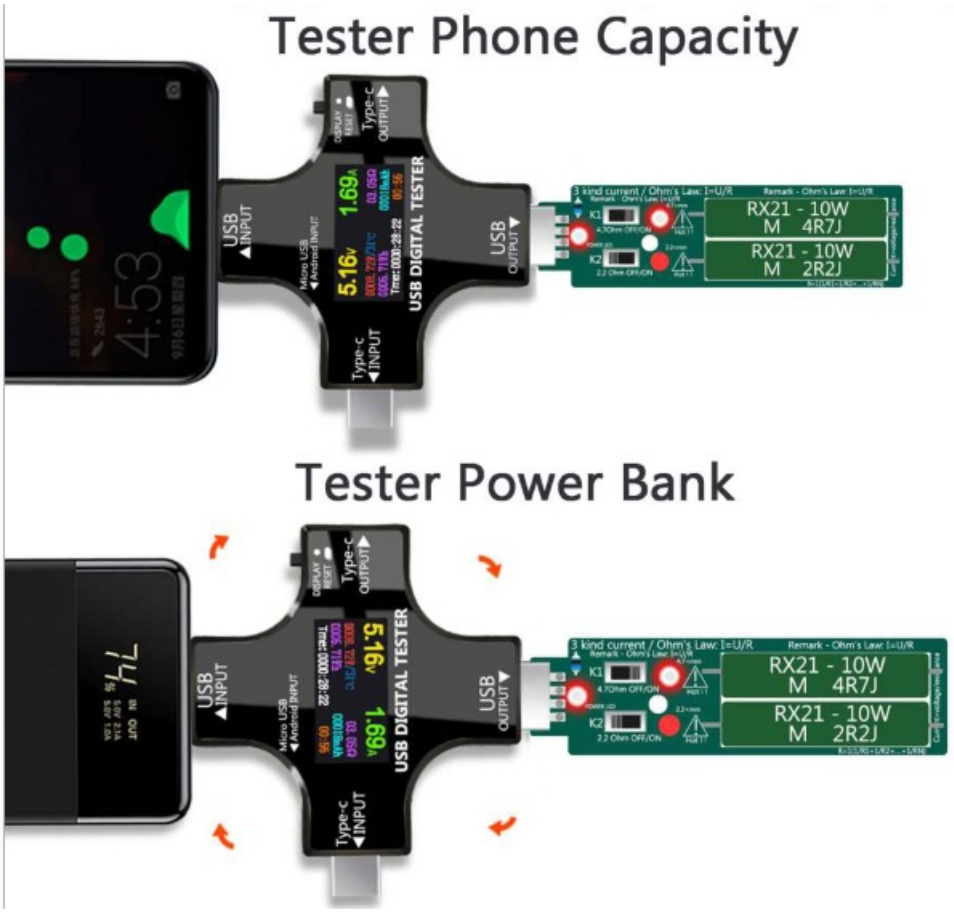
   Answer: The power bank is fully charged, insert the tester into the mobile phone or load, and discharge quickly. mAh capacity * 90%=power bank capacity.

7. Check the phone power.

   The phone is fully charged, plugged into the tester, cleared Wh data,connected to Load, quickly discharged, and acquired data.

   Electricity: Wh/3.75V(Phone battery voltage)=Capacity value X 1000 X90% =Phone mAh capacity. (which is close to the phone battery capacity)

Tester Phone Capacity



Basic use method of tester

Test the charger/cable

Tester USB A/USB C charger

Record the charger support voltage and current, insert Tester+Load/Phone, adjust voltage. The tester shows that the voltage and current are consistent with the voltage and current supported by the charger. The Charger has fast charging speed and excellent quality.

Tester USB A to USB C Cable/USB C to USB C Cable

Use the tested charger and insert the cable+Tester+Phone/Load. The tester shows that the voltage and current are consistent with the voltage and current supported by the charger.The Cable has fast charging speed and excellent quality.

Tester Micro-usb Cable

Use the tested charger and insert the Micro usb cable+Tester+Phone/Load. The tester shows that the voltage and current are consistent with the voltage and current supported by the charger.The Cable has fast charging speed and excellent quality.

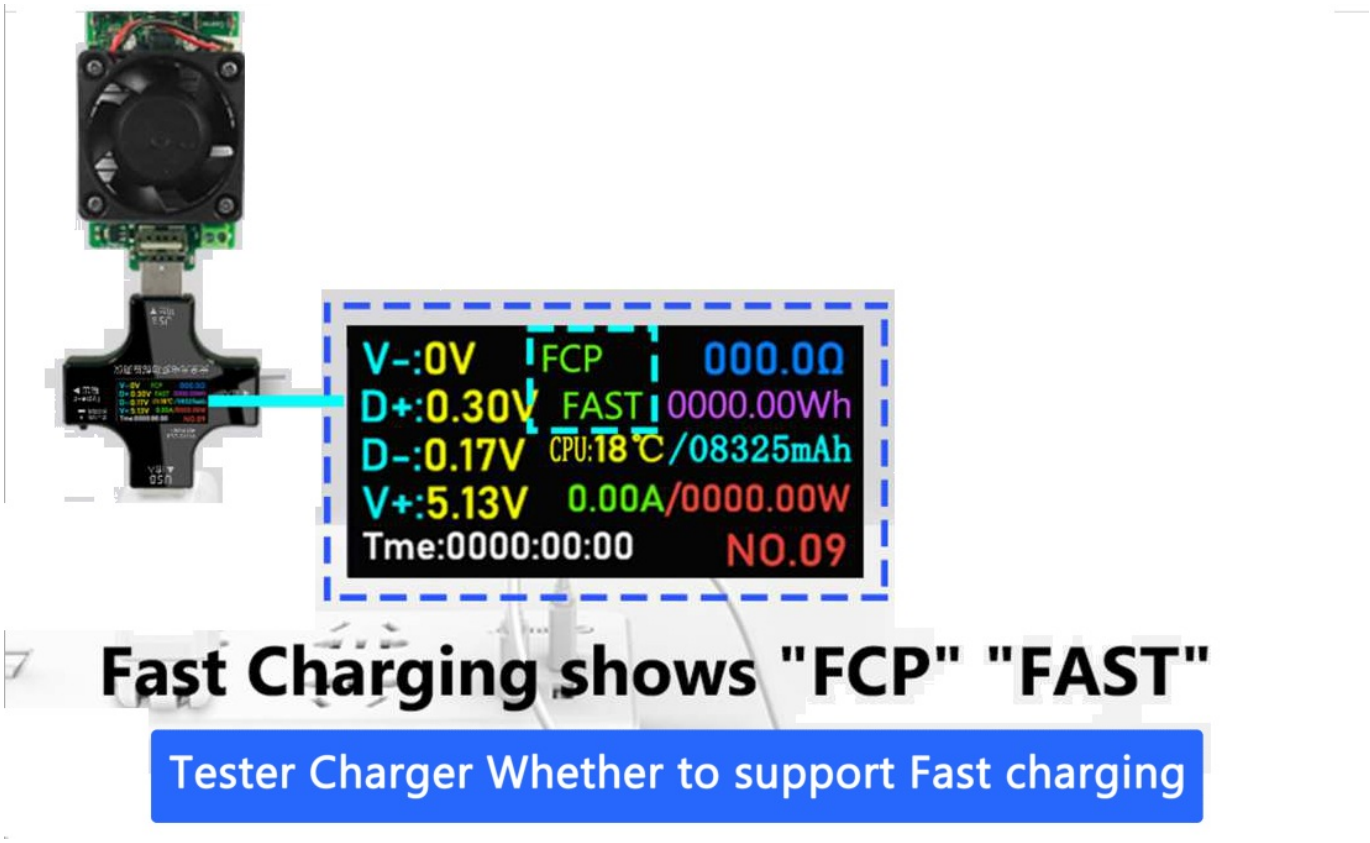
Test Socket

Insert the tester into the socket or the charging interface with USB port, and connect the load /phone.The tester shows that the voltage and current are consistent with the voltage and current supported by the socket. The Socket has fast charging speed and excellent quality.

Test Charger/Cable

Whether to support Fast charging

Support USB ASUSB C Charger.usb ata usp ¢ Cable. Micro usb Cable usb c to usb ¢ Cable



Test Charger

Insert the tester into the charger, connect Load, adjust the current to 3A, if it supports fast charging, the fifth interface will display “FCP” “FAST”. If it does not support fast charging, “FCP” “FAST” will not be displayed.

Test charging cable

Use a charger that has been tested by the tester to support fast charging, plug the corresponding cable into the charger, and adjust to 3A after connecting the cable. If the fifth interface displays “FCP” and “FAST”, it supports fast charging. If it does not support fast charging, “FCP” “FAST” is not displayed.

Partial charging protocol voltage logic table

Protocol Type	Corresponding voltage value of 4 lines of fast charger protocol for various USB chargers				Output voltage of corresponding protocol
	V-	D+	D-	V+	
Qualcomm 2.0 fast charge protocol	0V	0.6V	0V	5V (Default)	Qualcomm QC2.0 default 5V output
	0V	3.3V	0.6V	9V	Qualcomm QC2.0 default 9V charging
	0V	0.6V	0.6V	12V	Qualcomm QC2.0 default 12V charging
	0V	3.3V	3.3V	20V	Qualcomm QC2.0 B protocol high voltage 20V charging
iPhone Fast Charge Agreement	0V	2.4V	2.4V	4.8~5.2V	iPad 2.4A current charging mode
	0V	2.7V	2V	4.8 ~ 5.2V	iPhone 2.1A current charging mode
	0V	2V	2.68V	4.8 ~ 5.2V	iPhone 1A current charging mode
	0V	2V	2V	4.8 ~ 5.2V	iPhone 0.5A current charging mode
Android DCP identification (BC 1.2 protocol)	0V	Short circuit D+D-		4.8 ~ 5.2V	Android phone fast charge recognizes high current output
Samsung phone fast charge mode	0V	1.2V	1.2V	4.8 ~ 5.2V	Samsung phone fast charge recognizes high current output
The above information is provided by various mobile phone manufacturers. For more agreement information, please check on Google.					

How to use the tester with high difficulty

After connecting the tester to the mobile phone, switch the tester display interface to the fifth, and judge the relevant protocols supported by the charger according to D+/D -, V+/V -. It can be used to judge the fast charging mode of the charger. if If you need more charging protocol voltage logic tables, please contact us at
E-mail: **nuw.17671@mail.ru**

Troubleshooting

1. Connection sequence: charger+USB C cable+tester. At this time, the tester screen does not display.
   Answer: 1. The micro usb input port is inserted with a micro usb adapter, and the USB C cable is connected to the Tester Type-c output port. At this time, the screen will not display. It needs to connect the mobile phone or load to form a circuit to display. It is not the tester that is damaged.
2. The tester is not plugged in the Micro USB adapter. However, sometimes the screen is displayed, sometimes it is not.
   answer:1. No micro usb adapter is inserted, but the connection sequence is: USB C charger+tester USB C input to USB C output+USB C to USB C Cable+Phone. At this time, the charging protocol starts naturally, and the tester displays.
3. No micro usb adapter is inserted, but the connection sequence is: USB C charger+tester USB C input to USB A output+USB A to USB C Cable+Phone. At this time, the charging protocol does not start, and the tester does not display.
4. The tester USB C input is inserted into the charger, USB A output is inserted into the load, and the current is adjusted. The screen does not display.
   Answer: The micro usb input port of the tester is not inserted into the micro usb adapter, and the protocol is not started, so it is not displayed. However, if the micro usb input port of the tester is not plugged into the micro usb adapter, and the tester USB A input port to the charger to USB A output to Load, the tester will display, because there is no charging protocol related to USB C, the tester will display.
5. The Micro USB adapter is missing.
   Answer: If the Micro usb adapter (OTG adapter) is lost, the tester cannot test the USB C device. Use the Micro usb charger (not OTG adapter), insert the Micro usb input port, and then you can test the USB C device.
6. The tester beeps and shuts down.
   Answer. The tester supports a voltage and current range of 3.6V~32V, 0~5.1A The working temperature is – 10 °~60 *. Beyond this range, the tester will automatically shut down. Early warning range of initial voltage and current of tester:>10A,>35V<0A If it is manually adjusted to>2A,>5V, most chargers will beep and turn off when using this adjusted tester.

Prompt again:
If you find that the tester cannot work for USB C, it is likely that you have not inserted a Micro usb adapter (OTG adapter) into the Micro usb input port or not fully inserted it, which is the main reason why the tester cannot work for USB C.
If you have any doubts or need help, please contact us at E-mail:**nuw.17671@mail.ru**. Or email us via Amazon. Please also check the manual or product page.

Documents / Resources


Basic instructions for tester use
You will get:
1. USB Tester
2.USB alligator clip
3.Micro-USB adapter(OTG adapter)
Tester Button Description
How to test USB C devices
Scope of application
Common Problem
Tester Phone Capacity
Tester Power Bank
Basic use method of tester
Test the charger/cable
Micro usb Cable
TWS Can't USB C Cable
USB A to USB C Cable
Tester USB A/USB C Charger
Test Charger/Cable
Whether to support Fast charging
Support USB A/USB C Charger,usb a to usb c Cable, Micro usb Cable usb c to usb c Cable.
Fast Charging shows "FCP" "FAST"
Tester Charger Whether to support Fast charging
Test Charger
Test charging cable
Partial charging protocol voltage logic table
Protocol Type
Output voltage of corresponding position
Qualcomm 2.0 fast charge protocol
iPhone Fast charge protocol (Apple)
Android UCP specification (BC 1.2 protocol)
How to use the tester with high difficulty
Troubleshooting

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