

Narooto KWS 066C

Narooto KWS 066C USB C Power Tester Instruction Manual

Model: KWS 066C

1. INTRODUCTION

Thank you for choosing the Narooto KWS 066C USB C Power Tester. This device is designed to accurately measure voltage, current, power, energy, resistance, and temperature for USB-C power delivery systems. It is suitable for testing laptops, tablets, wall chargers, and USB-C cables to ensure optimal performance and identify potential issues. Please read this manual thoroughly before using the product to ensure safe and correct operation.

2. SAFETY INFORMATION

- Do not disassemble or modify the device. Unauthorized modifications may result in damage or injury.
- Keep the device away from water, moisture, and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Use the device within its specified operating voltage (4-30V) and current (0-6.5A) ranges. Exceeding these limits can damage the device and connected equipment.
- Ensure proper connection before applying power.

3. PRODUCT OVERVIEW

The Narooto KWS 066C USB C Power Tester features a compact design with a clear digital display. It includes a male USB-C connector for input and a female USB-C port for output, allowing for inline measurement.



Figure 3.1: Front view of the KWS 066C USB C Power Tester, displaying various electrical parameters.



Figure 3.2: Back view of the KWS 066C USB C Power Tester, indicating model number and supported charging protocols.

Display Information:

- **Voltage (V):** Displays the current voltage in Volts.
- **Current (A):** Displays the current flow in Amperes.
- **Power (W):** Displays the real-time power consumption in Watts.
- **Time (T):** Shows the elapsed measurement time.
- **Capacity (mAh):** Accumulates the charge transferred in milliampere-hours.
- **Energy (mWh):** Accumulates the energy transferred in milliwatt-hours.
- **Resistance (Ω):** Calculates the load resistance.
- **Temperature ($^{\circ}\text{C}$):** Displays the internal temperature of the device.

4. SETUP

Setting up the KWS 066C USB C Power Tester is straightforward. It operates as an inline measurement device.

1. Identify the power source (e.g., wall charger, power bank) and the device to be charged/tested (e.g., laptop, tablet, smartphone).
2. Connect the male USB-C connector of the KWS 066C tester to the USB-C output port of your power source.



Figure 4.1: Male USB-C connector for connecting to the power source.

3. Connect your device's USB-C charging cable to the female USB-C port on the KWS 066C tester.



Figure 4.2: The tester connected in-line, measuring power delivery to a smartphone.

4. Once connected, the tester's display will automatically illuminate and begin showing real-time measurements.

5. OPERATING INSTRUCTIONS

The KWS 066C operates automatically once connected. The display provides a comprehensive view of the power delivery status.



Comfortable grip Beautiful fonts



Internal use of professional instrument sampling circuit, plus precision algorithm
The accuracy and stability of the product are ensured at the hardware and software level

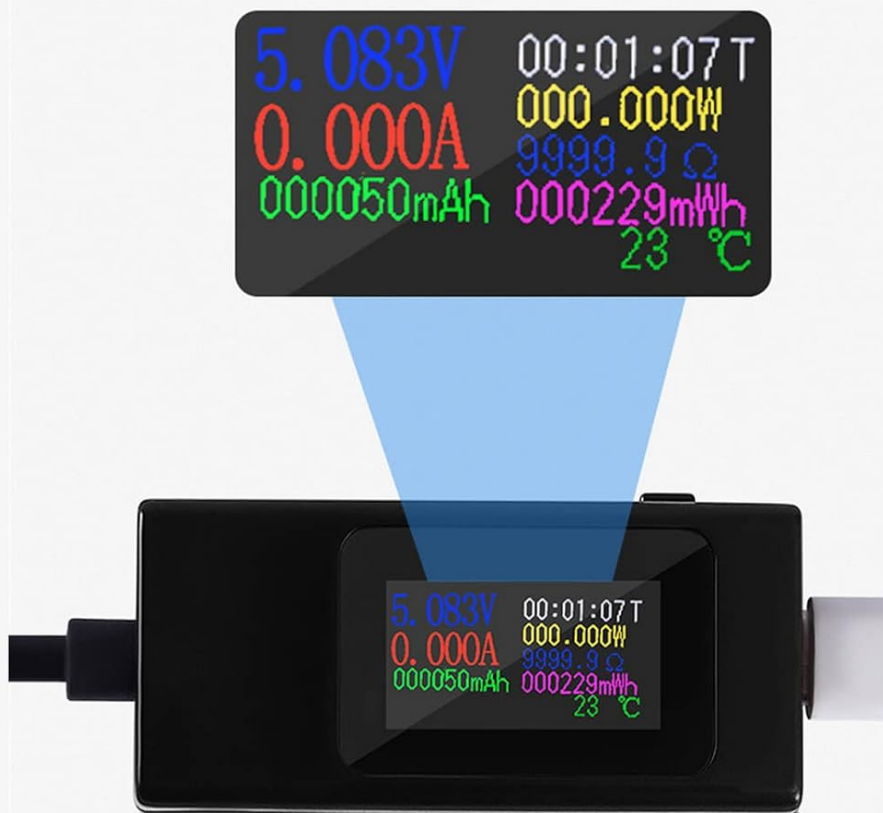


Figure 5.1: Detailed view of the tester's display with various measurement parameters.

Reading the Display:

- The display shows multiple parameters simultaneously. Voltage (V) and Current (A) are typically prominent.
- Observe the Power (W) reading to understand the real-time power consumption of your device.
- The accumulated Capacity (mAh) and Energy (mWh) readings are useful for evaluating battery charging efficiency or power bank capacity over time. These values will reset when the power is disconnected.
- The Time (T) counter starts when the device is connected and receiving power.
- The Resistance (Ω) value indicates the calculated load resistance, which can help identify faulty cables or devices.
- The Temperature (°C) provides an internal temperature reading of the tester.

Button Functionality:

The device may include a small button on the side. This button is typically used to cycle through different display modes or to reset accumulated data (mAh, mWh). Refer to the specific product packaging or a quick start guide for exact button functions if available. A long press usually resets the accumulated data.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the connectors carefully to prevent bending or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank.	No power supply or incorrect connection.	Ensure the tester is correctly connected between a functioning power source and a device. Check if the power source is active.
Readings are 0.00V or 0.00A.	No load connected or device is not drawing power.	Connect a device that is actively drawing power (e.g., a charging phone). Ensure the device is turned on or in a charging state.
Inaccurate readings.	Faulty cable or power source.	Try using a different USB-C cable or a different power source to isolate the issue.
Device gets warm during use.	Normal operation under high load.	Slight warming is normal, especially when measuring high power. If it becomes excessively hot, disconnect immediately and contact support.

8. SPECIFICATIONS

Parameter	Value
Model	KWS 066C
Voltage Measurement Range	DC 4V - 30V
Current Measurement Range	0A - 6.5A
Power Measurement Range	0W - 195W (Calculated from V*A)
Capacity Measurement Range	0 - 99999mAh
Energy Measurement Range	0 - 99999mWh
Time Measurement Range	0 - 999 hours
Resistance Measurement Range	0 - 9999.9Ω
Temperature Measurement Range	-9°C to 99°C
Connector Type	USB-C Male (Input), USB-C Female (Output)
Supported Protocols	QC, PD, VOOC (as indicated on product)

9. WARRANTY AND SUPPORT

Naroote products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Naroote website. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question