

USB-C Power Tester, Digital Multimeter, Bi-Directional Voltage and Current Meter, Up to 240W PD EPR, Portable USB-C Cable and Port Power Meter Tester

Product ID: USBC-PWRTESTER



This bi-directional USB-C Power Tester is a practical tool to accurately monitor voltage, current, and wattage in any USB-C power scenario. It is ideal for technicians and IT pros, ensuring immediate, clear test readings anywhere. Use this tester to monitor and maintain reliable performance in power-sensitive setups.

This USB-C tester allows you to quickly diagnose issues with docking stations, hubs, chargers, and connected devices. By measuring power flow in both directions, it verifies if USB-C cables are transferring power efficiently and ensures compliance for devices that require high power output. With its portable design, it is an essential additional that enhances any IT Pro's toolkit.

Supporting USB data pass-through up to 10Gbps and DP Alt Mode video, this Digital USB-C Multimeter accommodates a wide range of devices. It measures power across a broad operating range of 4.5V to 50V and 50mA to 6.5A, while ensuring compatibility with USB Power Delivery 3.1 Extended Power Range (EPR) up to 240W.

Certifications, Reports and Compatibility



Applications

- Instantly test and monitor the power transmission of USB-C devices from any direction
- Ensure consistent Power Delivery in large-scale deployments such as mobile charging stations
- Compact, portable form factor makes it an ideal additional to any IT toolkit

Features

- **PORTABLE USB-C POWER TESTING:** Measure Voltage, Current, and Wattage in any direction with this bi-directional USB-C Power Tester; Digital display w/180deg flip rotation provides quick at-a-glance readings; Portable design ideal for IT Pros on-the-go
- **SIMPLIFY TROUBLESHOOTING:** Quickly identify Power Delivery issues between USB-C docking stations, chargers/hubs, and connected devices; Test USB-C cables to ensure full power transmission from USB-C sources; Validate performance of high-power devices
- **UNIVERSAL COMPATIBILITY:** Supports all USB data pass-through up to 10Gbps, including DP Alt Mode video and backward compatibility; Measures up to 4.5V-50V/50mA-6.5A operating range, and 240W USB Power Delivery 3.1 Extended Power Range (EPR)
- **APPLICATIONS:** Test USB-C charging stations, verify power delivery across devices & diagnose port or cable issues; Measure power draw from bus-powered USB-C devices; Ensure USB-C port compliance w/VBUS & voltage drop tests
- **SPECS:** Bi-directional USB Type-C Male to Female; Digital display with 180 rotation; Voltage/Current Range: 4.5V-50V / 50mA-6.5A; Up to 101W-240W USB PD 3.1 EPR; USB 10Gbps Data Pass-Through w/DP Alt Mode; Not compatible with Thunderbolt 3 devices

Hardware

Warranty	2 Years
Chipset ID	MCP3421

Performance

MTBF	50,000 Insertion Cycles
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Connector(s)

Connector A	1 - USB 3.2 USB Type C (10 pin, Gen 2, 10 Gbps)
Connector B	1 - USB 3.2 USB Type C (10 pin, Gen 2, 10 Gbps)

Power

Power Source	Bus Powered
Power Delivery	240W
Input Voltage	4.5V - 50V
Input Current	50mA - 6.5A
Output Voltage	4.5V - 50V
Output Current	50mA - 6.5A

Environmental

Operating Temperature	0 to 40 (32&degF to 110&degF)
Storage Temperature	-20 to 85 (-4&degF to 185&degF)
Humidity	5% - 95%

Physical Characteristics

Color	Black
Material	Polycarbonate
Product Length	0.9 in [2.3 cm]
Product Width	2.3 in [5.7 cm]
Product Height	0.4 in [1.0 cm]
Weight of Product	0.4 oz [12.0 g]

Packaging Information

Package Length	3.3 in [8.4 cm]
Package Width	3.1 in [8.0 cm]
Package Height	0.6 in [1.4 cm]
Shipping (Package) Weight	1.0 oz [28.0 g]

What's in the Box

Included in Package	1 - USB-C Power Tester
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****Product appearance and specifications are subject to change without notice.***