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 for immediate, clear test readings anywhere. Use this tester to monitor and maintain reliable performance in power-sensitive setups.

The USB-C Digital Power Tester is compact and suitable for testing mounted USB-C devices or hard-to-reach device ports. Its portable design makes it a lightweight and essential addition to any IT Pro's toolkit.

This USB-C tester can quickly diagnose power issues with docking stations, hubs, chargers, and connected devices. The digital display provides real-time measurements and rotates 180 degrees with the press of a button, ensuring clear visibility when testing power flow from any direction. Verify if USB-C cables are transferring power efficiently and ensure compliance for devices that require high power output.

Supporting USB data pass-through up to 10Gbps and DP Alt Mode video, this Digital USB-C Multimeter accommodates a wide range of USB-C cables and 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. Note: Thunderbolt 3 devices are not supported.

Certifications, Reports and Compatibility

RoHS Compliant

Applications

• Instantly test and monitor the power transmission of USB-C devices from any direction

• Ensure consistent Power Delivery across large-scale deployments such as mobile charging stations

• Compact, portable form factor is ideal for mobile troubleshooting or high-density setups

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/180&deg flip rotation provides real-time 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 USB data pass-through up to 10Gbps, including DP Alt Mode video (backward compatible); 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 flip rotation; Voltage/Current Range: 4.5V-50V / 50mA-6.5A; Up to 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
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 1104&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

Product appearance and specifications are subject to change without notice.