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

RoHS Compliant

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/180&deg 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
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.