



# Tripp Lite T050-001-USB-A USB-A Voltage & Current Tester User Manual

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## Tripp Lite T050-001-USB-A USB-A Voltage & Current Tester



Measures, tests, and monitors the voltage and amp capacity of your computer or laptop's USB ports and any

connected USB devices.

## Features



- **Determine the Volt and Amp Capacity of Your USB-A Cable, Charger, or Port in Real Time** You need to know when your USB devices are receiving an acceptable and proper charge. You also need to know the power requirements of your PC, laptop, tablet, MacBook, Ultrabook, or Chromebook, so you can determine which USB cables, hubs, and chargers work most efficiently with them. This USB-A voltage/current tester connects the USB source you wish to test and a connected USB device to determine the voltage and amperage.
- **An Ideal Tool for Immediate Troubleshooting** You'll be able to quickly and accurately detect defective USB cables, chargers, and ports in your various devices at home or on the go. Recommended for use with multiport USB chargers and hubs, this tester kit ensures each connected device is receiving the appropriate amount of power from its USB port. An easy-to-read LCD screen displays the voltage and amperage in real time. Dual LEDs indicate whether voltage or current is being displayed on the LCD.
- **Plug-and-Play Tester Comes Ready to Connect Right Away** The T050-001-USB-A requires no software or drivers to download and install and no connection to external power. It supports USB 3.1 Gen 1 but is also backward compatible with previous USB versions, so you can use it with USB 3.0, 2.0, and 1.1 ports and devices.
- **Sleek Miniature Housing Designed for Everyday Workspace Use or Connecting on the Go** The compact unit is designed for convenient positioning within your reach, allowing you to monitor voltage and current while not taking up much workspace. It is also tiny enough to pack in your pocket, purse, or laptop bag for use in a hotel, conference room, trade show, or airport.

## Highlights



- Tester works with any USB-A cable, charger, or port on your PC, laptop, or tablet
- Monitor cable or charger in real-time while simultaneously charging a USB-A device Easy-to-read digital display switches between voltage and amperage information
- Dual color LEDs indicate whether voltage or current is being displayed on the screen Ideal for fast-testing
- devices/cables at a remote workspace, conference, or trade show

## Applications

- Test and monitor the voltage and amp capacity of your USB-A device to ensure proper charging with the appropriate charger/cable combination
- Pack in your laptop bag for quick testing of devices at a remote workspace or conference

## System Requirements

- Computer, laptop, tablet, MacBook, Ultrabook, Chromebook or other device with a USB-A connector

## Package Includes

- T050-001-USB-A Voltage and Current Tester Kit, M/F

## Specifications

OVERVIEW	
UPC Code	037332222077
Technology	USB

<b>INPUT</b>	
Voltage Compatibility (VDC)	3.5V ~ 24V
Input Current	50mA – 6A
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Amperage (Green) & Voltage (Orange)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	ABS
Unit Dimensions (hwd / in.)	0.54 x 2.05 x 0.87
Unit Weight (kg)	0.01
Unit Weight (lbs.)	0.03
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32 to 140°F (0 to 60°C)
Storage Temperature Range	32 to 140°F (0 to 60°C)
Relative Humidity	0% to 80% RH, Non-Condensing
<b>CONNECTIONS</b>	
Side A – Connector 1	USB A (MALE)
Side B – Connector 1	USB A (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
USB Specification	USB 3.0 (up to 5 Gbps); USB 3.1 Gen 1 (up to 5 Gbps)
<b>WARRANTY</b>	

Product Warranty Period (Worldwide)	3-year limited warranty
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**Tripp Lite:** T050-001-USB-A

## FREQUENTLY ASKED QUESTION

What is the purpose of the Tripp Lite T050-001-USB-A USB-A Voltage & Current Tester?

The Tripp Lite T050-001-USB-A is designed to measure the voltage and current of USB-A ports.

How does the T050-001-USB-A USB-A Voltage & Current Tester work?

The tester plugs into a USB-A port, and it displays the voltage and current values on its built-in screen.

Is the Tripp Lite T050-001-USB-A USB-A Voltage & Current Tester compatible with USB 3.0 ports?

Yes, it should be compatible with USB 3.0 ports, as long as they are of the USB-A type.

Can I use this tester to check if my USB charger is providing the correct voltage and current for my device?

Yes, that's one of the primary uses of the T050-001-USB-A tester.

What is the maximum voltage and current the T050-001-USB-A can measure?

The maximum voltage and current it can measure are likely indicated in the product specifications, typically up to 20V and several amps.

Is the tester powered by the USB port it's plugged into, or does it require separate power?

The T050-001-USB-A is typically powered by the USB port it's plugged into, so no separate power source is needed.

Can the T050-001-USB-A Voltage & Current Tester be used with smartphones and tablets?

Yes, it can be used with any USB-A charging port, including those on smartphones and tablets.

Does the tester record and store voltage and current data over time?

No, the T050-001-USB-A is usually a real-time tester and does not have built-in data logging capabilities.

Can I use the T050-001-USB-A Voltage & Current Tester for data transfer testing?

No, this tester is specifically designed for measuring voltage and current and does not support data transfer testing.

Is the T050-001-USB-A compatible with USB-C ports?

No, the T050-001-USB-A is designed specifically for USB-A ports and is not compatible with USB-C ports.

Can I use this tester with a USB hub?

Yes, you can use the T050-001-USB-A with a USB hub that has USB-A ports.

Does the T050-001-USB-A have any safety features to protect against overvoltage or overcurrent?

While specific safety features may vary, some versions of the T050-001-USB-A may have protections against overvoltage and overcurrent situations.

Can I use the tester with both USB 2.0 and USB 3.0 devices?

Yes, the T050-001-USB-A should be compatible with both USB 2.0 and USB 3.0 devices that have USB-A ports.

Does the tester require any software installation to work?

Typically, no software installation is required for the T050-001-USB-A to function. It should be a plug-and-play device.

Can I use this tester to troubleshoot charging issues with my devices?

Yes, the T050-001-USB-A can help identify charging issues by measuring the voltage and current being delivered to your device.

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