



Test Instrument TISUSB1 USB Socket Tester User Guide

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TISUSBI1 – USB Tester

Introduction:

The TISUSBI tests and inspects USB chargers / ports, portable power sources, load of connected USB appliances / devices.

The TISUSBI tests the output voltage , current, energy, capacity, circuit equivalent resistance.

Safety Regulations



TISUSB Internal load test will stop if the voltage exceeds 13V



TISUSBI Overheat protection — If the internal load functioning temperature exceeds the “HOT” warning message will be displayed. Load measurements will then stop, until the internal temperature drops below

Input Voltage Verification

Input USB male connector to USB charger / port or power source Check voltage displayed is within the devices manufactures specifications.

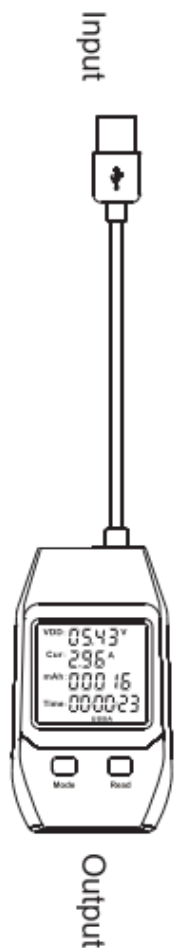
If the voltage exceeds 24V the “OL” warning message will be displayed, please disconnect the tester.

The “LO” warning symbol will be displayed if the voltage is less than 4V.



INPUT VOLTAGE MUST NOT EXCEED 25V.

Electronic Load Testing



After confirming the output voltage is correct, users can then test the load of USB powered electronic devices & device charging loads by inserting the USB cable into the output socket. The load & output voltage will then be displayed automatically.

Operational Instructions

Short press the “Mode” button to switch between / view different parameters. Long press the “Mode” button to reset test parameters / clear data.

Short press the “Load” button to start & change load test parameter. Test Sequence 5.0.50A —1.00A—2.00A—3.00A

Specifications

Function	Range	Resolution	Tolerance
Current Measurements	0.05A – 3.00A	0.01A	+(1%+2)
Voltage Measurements	4.00V – 24.00V	0.01v	+(1%+2)
Capacity	0mAh — 99999mAh	1mAh	
Energy	0Wh — 1000Wh	1Wh	
Circuit equivalent resistance Measurement	1Q – 480Q	1Q	
Electronic Load	0.50A,1.00A,2.00A,3.00A		+0.03A, £0.04A, £0.05A, £0.06A
Maximum Timing	99Hours, 59 Minutes, 59 Seconds 1	1 Second	

WARRANTY

NEW INSTRUMENTS HAVE A WARRANTY PERIOD OF: 1 YEAR FROM THE DATE OF PURCHASE BY THE USER (A copy of the original purchase invoice may be requested to validate the purchase date). This warranty period includes parts and labour only.

Any damage to either the case, input cable or any unauthorized repair / adjustment will void the warranty.

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TEST

Documents / Resources



[Test Instrument TISUSB1 USB Socket Tester](#) [pdf] User Guide
TISUSB1 USB Socket Tester, TISUSB1, USB Socket Tester, Socket Tester, Tester

References

- [User Manual](#)