

USB Cable and Charger Tester

FIT0814

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot USB Cable and Charger Tester is a mini portable multi-function USB color screen tester. This tester comes with an onboard 1.44-inch TFT LCD high-definition color display. The screen tester features an external 16-bit ADC and PD protocol physical chip, fast charging decoy, protocol conversion, real-time curve displaying, and trigger high voltage. This device integrates multiple interfaces like USB-A, Micro-USB, and Type-C. The tester module also features Chinese and English language switching, interface horizontal and vertical switching, and wire resistance test.



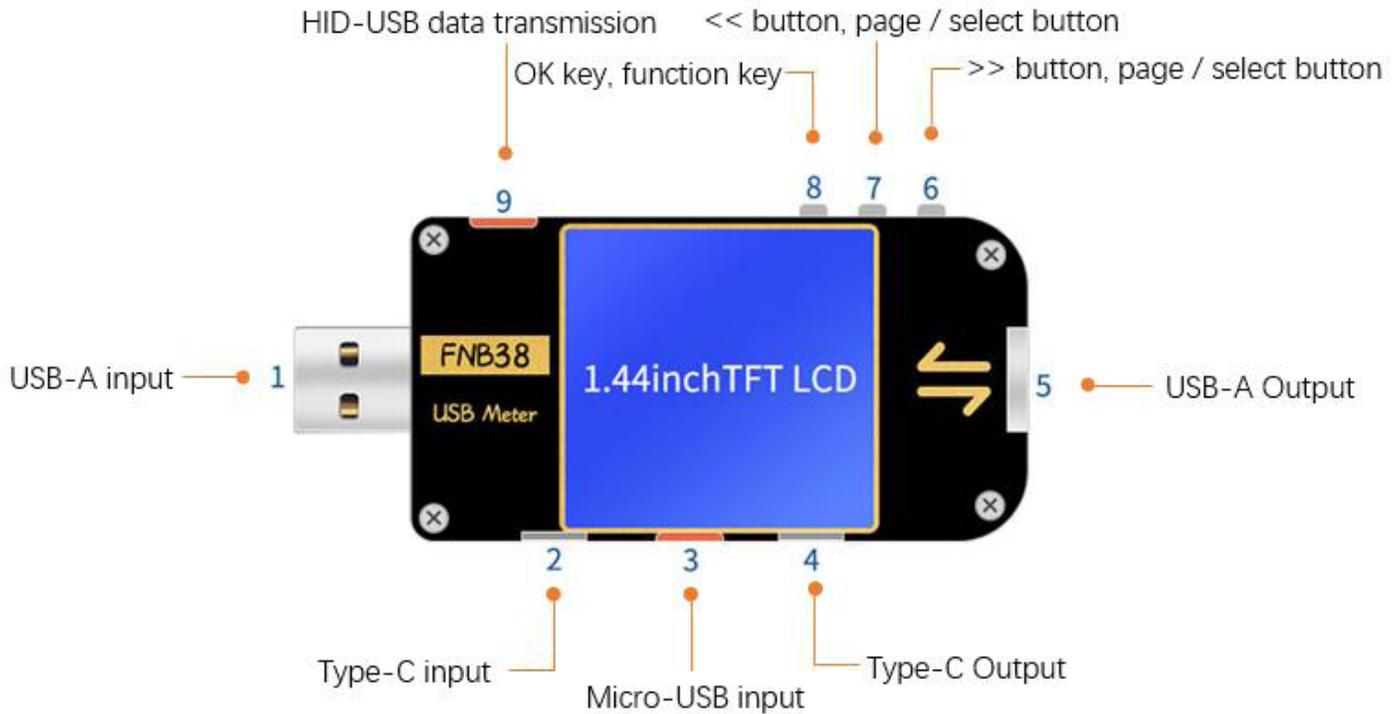
Features

- Color screen display
- Support Chinese and English interface
- Support fast charge decoy and protocol conversion
- The interface can switch the direction between horizontal and vertical screens
- With CE certification

Specifications

- 4V to 24V input voltage range
- 0.1mV input voltage resolution
- $\pm(0.2\%+2)$ input voltage accuracy
- 0A to 5A input current range
- 0.1mA input current resolution
- $\pm(0.5\%+2)$ input current accuracy
- 0W to 120W input power range
- 0.1mW input power resolution
- $\pm(0.5\%+2)$ input power accuracy
- 0Ω to 9999.9Ω internal resistance range
- 0.1m Ω internal resistance resolution
- $\pm(0.5\%+2)$ internal resistance accuracy
- 0V to 3.3V D +/D- voltage range
- 0.01V D +/D- voltage resolution
- $\pm(1.0\%+2)$ D +/D- voltage accuracy
- 1°C equipment temperature resolution
- $\pm(1.2\%+3)$ equipment temperature accuracy
- 0mAh to 99999mAh capacity range
- 0.0001mAh capacity resolution
- 0Wh to 9999.99Wh energy used range
- 0.00001Wh energy used resolution
- 0Ω to 9999.9Ω cable internal resistance range
- 0.0001 Ω cable internal resistance resolution

Overview



Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-usb-cable-charger-tester/>