



USB-C Power Monitor



Manual DA-70612

Introduction

The USB-C Power Monitor is simply connected between a USB-C port (for example, a laptop/PC, power supply, USB charger, power bank, etc.) and the devices to be checked. The illuminated display shows simultaneously volts, amps and the added current in milliampere-hours. It is with the versatile USB-C Power Monitor, measure e.g. the actual capacity of your power banks, check the function of USB power supply units, and detect sources of error; when it is supplying external USB devices (e.g. external hard disk cases), test USB cables for their suitability as charging cables, or monitor your own projects for desired functions. The data lines are looped through and any connected USB-C device (e.g. USB-C hub/adaptor) can be operated normally and the readings are recorded under normal operating conditions. The power supply is via the USB-C connector with no additional batteries or a power source required.

- Measure Current of Type C port when device is using or source is charging
- Measure Voltage of Type C port when device is using or source is charging
- Indicate the direction of the electrical current
- Meter could by pass all USB-C data
- Maximum voltage and current 20V/5A

Technical Features

Test working voltage and current of the USB C output devices

- Real-time monitoring the charging status
- Test no-load voltage of the power supply
- Test output power of USB output devices
- Voltage range: 3-20V (resolution: 0.01V)
- Current range: 30mA-5000mA (resolution: 10mA)
- Accuracy: +/- 5%
- PCBA power consumption 5V/30mA
- Real-time monitoring the charging status
- Measure Voltage of Type C port when device is using or source is charging.
- Indicate the direction of the electrical current.
- Showing the average current consumption per hour

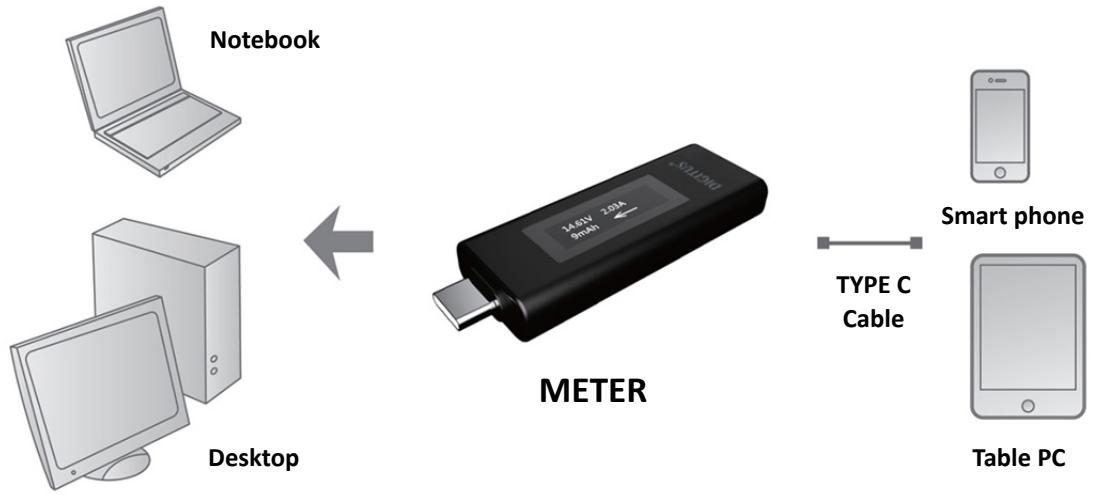
Package Content

Main Unit x 1 (USB TYPE C POWER meter)

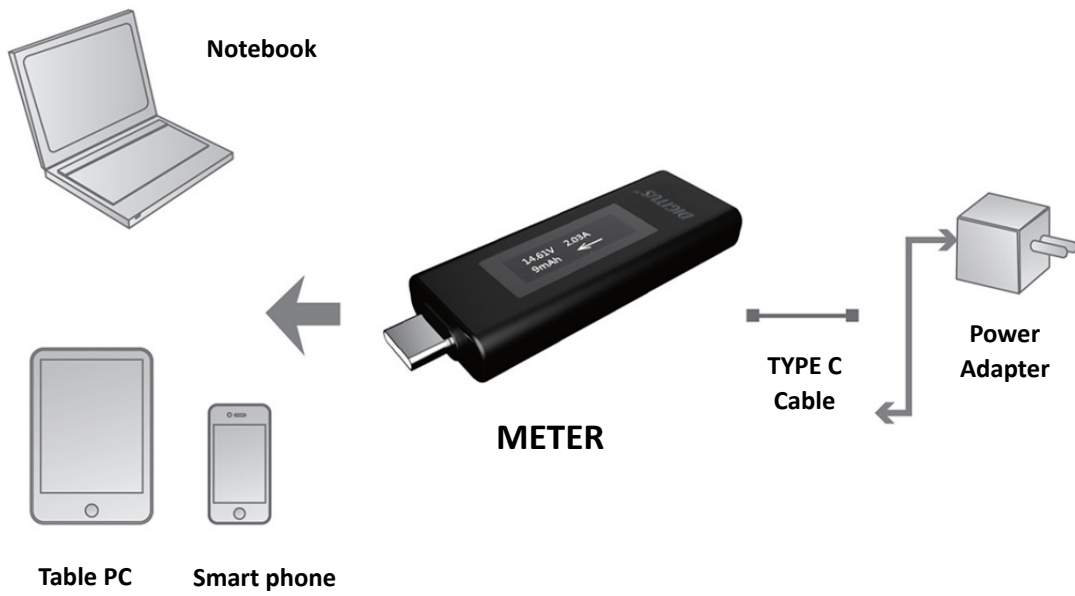
User Manual x 1

Installation

Application Diagram 1:



Application Diagram 2:



Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

Warning:

This device is a class B product. This equipment may cause some radio interference in living environment. In this case, the user can be requested to undertake appropriate measures to prevent interference.

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