

Quick Start Guide

Thank You for your purchase of Prüfen Smart USB Cable

For more information visit prufen.com

1 To Scroll Display



To scroll the different displays, please **press the button once and wait 0.5 sec** for new page to appear.

2 Sequence of Display



b Overheating Safety (Temperature)



c Current Surge Safety (Current)



d Power Overload Safety (Voltage)



e Energy Charge Meter



f Previous Charge



3 Overall Safety Status



Prüfen checks continuously for Overheating (Temperature), Power Overload (Voltage) and Current Surge (Current). Overheating, Power Overload and Current Surge are precursors to danger. Charging is **AUTOMATICALLY STOPPED** if any abnormal levels are detected and it's respective error message is displayed.

The 2 flashing ticks show that all readings are normal.

4 Overheating Safety



Prüfen has temperature sensors at both ends of the cable checking on your power source and your device as shown on the display. Charging will abort upon detecting abnormal temperatures.

5 Current Surge Safety



Prüfen's microprocessor continuously monitors current flow from Power to Recipient Device. When high current, like for example, a sudden surge of current due to component failure, Prüfen will automatically stop charging.

6 Power Overload Safety



Prüfen's microprocessor monitors voltages of Power and Recipient devices for signs of Power source failure or overload. This is especially critical when one is using third party USB power adaptors. Prüfen aborts charging if abnormal voltages occur.

7 Energy Charge Meter



To measure the mAh rating of a power bank, please starts with the power bank being depleted of its power. Commence charging. The final mAh shown on the Energy Charge Screen when charging completes is the power bank's capacity in mAh. Use the same procedure to measure the mAh of mobiles and tablets.

Please note that power banks, mobiles and tables may store only 80% of their specified mAh capacity as these specifications are measured under ideal laboratory conditions.

8 Previous Charge



The Previous Charge page show the energy charged during the previous charging session.

It is common that users leave their Prüfen Smart Cable (or any other cables for that matter) connected after their mobiles and tables are fully charged. Please note that these devices may trigger a second round of charging session when the mobile/tablet detects that its battery power is being consumed eg. to stay connected to WiFi, Bluetooth and Mobile Network.

A second round of charging may erase the mAh reading stored in Previous Charge page.