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RUIDENG USB Tester with Full Colour Display Instructions

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RUIDENG USB Tester with Full Colour Display Instructions

Dear Customer,
Thank you for purchasing this Full Colour USB Tester from Hangzhou Ruideng Technologies Co., Ltd. Prior to using this product we recommended that you briefly familiarize yourself with these instructions. In order to ensure the correct operation and use of the device. We also advise that you keep these instructions in a safe place for future reference as may be needed.

Technical Parameters:

- **Model:** AT34
- **Voltage measurement range:** 3.70-30.00V
- **Current measurement range:** 0-4.000A
- **Capacity accumulation range:** 0-99999mAh
- **Energy accumulation range:** 0-99999mWh 999.99Wh
- **Load impedance range:** 1Ω-9999.9Ω
- **Temperature range:** 0℃~80℃/32℉~176℉
- **Working temperature range:** 0~45℃
- **Dimensions** 64mmx22mmx12mm
- **Display screen:** 0.96 Inch color IPS display
- **Voltage measurement resolution:** 0.01V
- **Current measurement resolution:** 0.001A
- **Voltage measurement accuracy:** ±(0.8 +4digits at 25℃)
- **Current measurement accuracy:** ±(1 +4 digits, at 25℃)
- **Power measurement range:** 0-120W
- **Temperature measurement error:** ± 3℃/ ± 6℉
- **Refresh rate:** 2Hz
- **Product weight:** 14g (package 28g)

Quick charge recognition mode QC2.0 QC3.0 APPLE 2.4A/2.1A/ 1A/0.5A Android DCP SAMSUNG
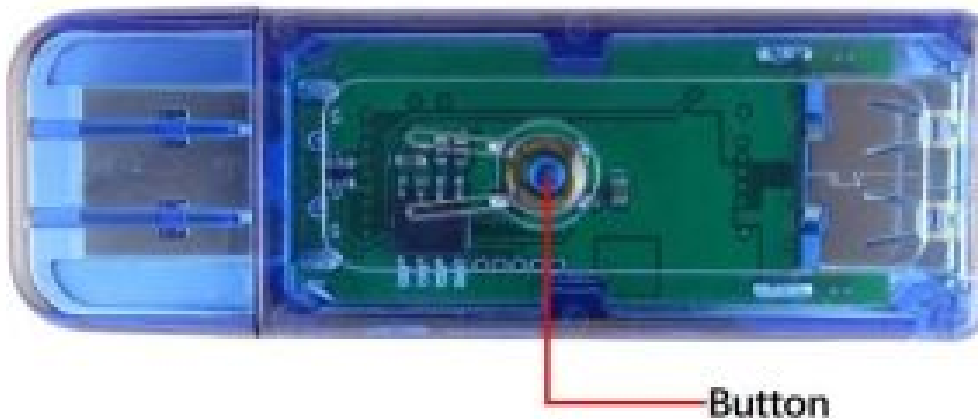
Function Interface:

Measurement Main Interface

Quick Charge Recognition Interface

Button Instruction:

The button is located on back of the tester. There are 2 kinds operation ways, long press and short press. Short press is to realize switch between Measurement Main Interface and Quick Charge Recognition Interface. Long press is to realize switch of system setting.

Introduction of Icon Function

1. ![icon] Press and hold the button to choose this icon to open or close the screen

2. ![icon] Press and hold the button to choose this icon to switch the temperature unit.

3. ![icon] Press and hold the button to choose this icon to switch data group

4. ![icon] Press and hold the button to choose this icon to clear data group.

5. ![icon] Press and hold the button to choose this icon rotate the screen

Operation Instruction:

After power on, welcome interface will be displayed firstly, then main measurement interface will be shown.

Interface 1: Main Measurment Interface.

6 Voltage Measurement
7 Current Measurement
8 Accumulated Capacity
9 Accumulated Energy
10 Temperature Measurement
11 Number of the Data Group in use
12 Load Equivalent Impedance

Press the button on the back to switch to Quick Charge Recognition Interface

Interface 2: Quick Charge Recognition Interface:

14 D +: (DP) data positive signal level.
15 D-: (DM), data negative signal level.
16 Mode display

The product will automatically identify a device with a supported fast charging mode. At this time the device supports the QC2.0 QC3.0 APPLE

2.4A/2.1A/ 1A/0.5A Android DCP SAMSUNG.(Note: This quick charge agreement recognition model is for reference only, because cell phone updated quickly, it can't be absolutely accurate identification

Parameter Setting:

At any interface of 2 interfaces, Press and hold the button to realize data set. Long press the button more than 0.5s, the corresponding icon will be selected and displayed (the background of icon turns black to blue), then step through the options of screen off, temperature display units, data group switch, data group clear zero and screen rotation. Stop on the function you wish to set then loosen the button.

Press and hold the button, the corresponding icon will be selected and displayed, then loosen the button, screen will be off, then press the button or power on again, the display will light again

. Press and hold the button, the corresponding icon will be selected and displayed, then loosen the button, the temperature unit will be switched. Degree centigrade is the default temperature unit

Press and hold the button, the corresponding icon will be selected and displayed, then loosen the button, data group will be switched. This tester can provide 2 groups to store and check, 0 and 1 data group. When the data set is 0 group, the current capacity will be stored after power off. When power on next time, the stored mAh and mWh is blinking displayed. When the new mAh is up to 1 mAh, the stored mAh and mWh will be covered, and the values will start over. When data set is group 1, the current capacity will be stored after power off. And the stored capacity will be accumulated after power on.

Press and hold the button, the corresponding icon will be selected and displayed, then loosen the button, the data of the current data group will be zero.

Press and hold the button, the corresponding icon will be selected and displayed, then loosen the button, the screen will be rotated 180 degree, and stored automatically, which is convenient for later using

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