

Instruction for USB Tester with Full Colour Display

Model: AT35

Version: 2019/05/13

Dear Customer,

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



Technical Parameters:

Model: AT35	Display screen: 0.96 Inch color IPS display
Voltage measurement range:3.700-30.000V	Voltage measurement resolution:0.001V
Current measurement range: 0-4.0000A	Current measurement resolution: 0.0001A
Capacity accumulation range: 0-99999mAh	Voltage measurement accuracy:± (0.1%+2digits)
Energy accumulation range:0-99999mWh-999.99Wh	Current measurement accuracy:± (0.2%+4 digits)
Load impedance range: 1Ω-9999.9Ω	Power measurement range:0-120W
Temperature range:0°C~65°C/32°F~149°F	Temperature measurement error:± 3°C/ ± 6°F
Working temperature range: 0~45°C/32°F~113°F	Data refresh rate: about 0.5Hz
Dimensions: 64mmx22mmx12mm	Product weight(package included):about 27g
D+/D- voltage measurement range:0-3.3V	D+/D- voltage measurement accuracy:± (10%+10digits)
Quick charge recognition mode: QC2.0、QC3.0、APPLE 2.4A/2.1A/ 1A/0.5A、Android DCP、SAMSUNG	

Function Interface



Measurement Main Interface

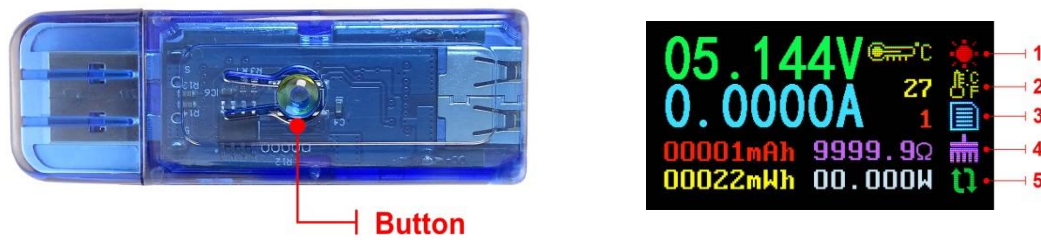


Quick Charge Recognition Interface

Button Instruction:

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

Recognition Interface. Long press is to realize switch of system setting.



Introduction of Icon Function

- 1: Press and hold the button to choose this icon to turn on/off the screen.
- 2: Press and hold the button to choose this icon to switch the temperature unit(°C/°F).
- 3: Press and hold the button to choose this icon to switch data group.
- 4: Press and hold the button to choose this icon to clear data in current data group.
- 5: Press and hold the button to choose this icon to rotate the screen.

Operation Instruction:

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



welcome interface

Interface 1: Measurement Main Interface:

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



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

Interface 2: Quick Charge Recognition Interface:

- 14: D+: data positive signal voltage
- 15: D-: data negative signal voltage
- 16: Current quick charge mode display





Quick Charge Recognition Interface


The product will automatically identify a device with a supported fast charging mode. At this time the device supports the QC2.0、QC3.0、APPLE2.4A/2.1A/1A/0.5A、Android DCP、SAMSUNG. (Note : D+/D- voltage and quick charge protocol recognition function is for reference only, because mobile phone is updated quickly, it can't be absolutely accurate)


Parameter Setting:


At any interface of 2 interfaces, Press and hold the button to realize data set. Long press the button for more than 0.5s, the corresponding icon will be selected and displayed (the background of icon becomes 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, and then loosen the button.

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

Press and hold the button, when the corresponding  icon is selected and displayed, loosen the button, the temperature unit will be switched. Default temperature unit: degrees Celsius.

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

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