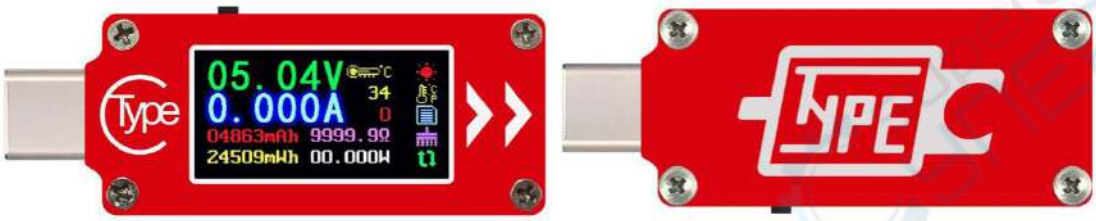
Instructions for Type-C Tester with Full Colour Display

-Model: TC64

Dear Customer,

Thank you for purchasing this Full Colour Type-C 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.

Note: the product current only flow from male connector to female connector, the reverse is still energized but the current is shown to be 0. Pay attention when using.



Technical Parameters:

Model: TC64

Display screen：0.96 Inch color IPS display

Voltage measurement range:3.70-30.00V

Voltage measurement resolution:0.01V

Current measurement range: 0-4.000A

Current measurement resolution: 0.001A

Capacity accumulation range: 0-99999mAh

Voltage measurement accuracy:±(0.8％+4digits at 25℃)

Energy accumulation range:0-99999mWh 999.99Wh

Current measurement accuracy: ±(1％+4 digits, at 25℃)

Load impedance range: 1Ω-9999.9Ω

Power measurement range:0-120W

Temperature range:0℃~80℃/32℉~176℉

Temperature measurement error:± 3℃/ ± 6℉

Working temperature range: 0~45℃/32℉~113℉

Refresh rate: 2Hz

Dimensions：50mmx19mmx9mm

Product weight:7g (package 14g)

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 side of the tester. There are 2 kinds operation way, long press and short press. Short press is to realize switch between Measurement Main Interface and Quick Charge Recognition Interface.

Introduction of Icon Function

1： Screen Off Icon

2： Temperature Unit Switch Icon

3： Data Group Switch Icon

4： Current Data Group Reset Icon

5： Screen Rotation Icon

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 Value

7： Current Measurement Value

8： Accumulated Capacity Value

9： Accumulated Energy Value

10： Temperature Measurement Value

11： Number of the Data Group

12： Load Equivalent Impedance Value

13： Power Measurement Value

Press the button 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： Current charging 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:

Press and hold the button, until the corresponding icon will be selected and displayed (the background of icon turns black to blue), then loosen the button to realize the function

Press and hold the button, the screen off 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 temperature unit switch 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 data group switch 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 current data group reset icon  will be selected and displayed, then loosen the button, the data of the current data group will be reset.

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

Application：

PD charger measurement; PD car charger measurement; Type-C U flash measurement, and etc.