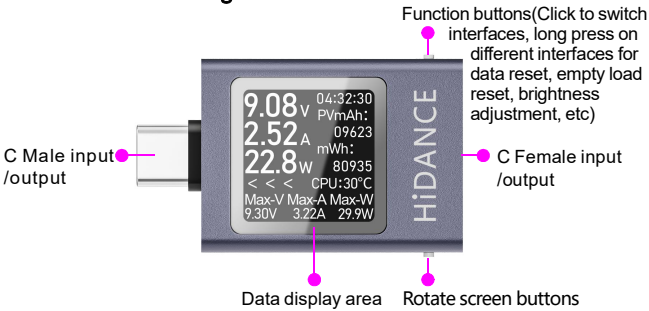
HDC-085C Product manual

Interface Function Diagram



Important Notice: When using a USB-C port charger, this meter will only light up and display when both the charger and the phone are connected at the same time!

Functional operation

Function key: Click to cycle through the interface; Press and hold for several functions in different screens, including data reset, empty load reset, and brightness adjustment. (Kind tip: Long press can also adjust brightness when in the large font interface on the second page)

Spin key: Click to rotate the display in four directions.

Product parameters

Product Name: Type-C Tester Model: HDC-085C

1)Working voltage: DC 4.5~50V
2)Working current: 0~6A (short-term peak 12A)
3)Self power consumption: <0.15W
4)Power display: 0~600W
5)Sampling resistor: 0.001R
6)Data retention period: T_A=55°C 20year
7)Energy display: 0~9999WH
8)Capacity display: 0~99999mAh
9)Working temperature: 0~45°C/32~113°F
10)Product size: 43mm*25mm*10mm

Frequently asked questions

Question 1: Why does the product not display when plugged into the charger separately?

Answer: The Type-C port of most chargers defaults to no voltage output. At this time, the product has no power supply and no display. The charger will only have voltage output when the load protocol is detected, and the product will only display it at this time.

Question 2: Why can't the test meter measure 10A or 120W on my product charger?

Answer: The values tested by this product are real-time charging parameters during the charging process. The parameters marked on the charger are the maximum power parameters of the product, and not always output such large parameters.

Question 3: Why occasionally displays a current of 0.01-0.02A when the output is not connected to a load?

Answer: This product uses bidirectional current detection, and a small no-load current is a normal phenomenon. However, it can also be reset by quickly touching the current reset interface three times.

Question 4: Why is the measured capacity value in this table significantly different from the nominal battery capacity value of the mobile phone?

Answer: The measured capacity value in this table is the current voltage capacity value. If you need to know the capacity value of the phone's battery at 3.7V voltage, please use this table to display the power value and convert it according to the formula.