Battery Capacity/Dc Power Multi-function Tester

—Usage introduction—

Interface function diagram:

System power supply

V+ IN

V+ OUT

Variety load

V- OUT

V- IN

Temperature probe

( Connection to display temperature )

Wiring instructions:

When test 5 ~ 150V voltage range, the instrument will take electricity to run on the power supply under test, without the need for a separate instrument power supply, only testing dry cell button battery is less than 5 v voltage, only need to supply meter separately 4 ~ 30V voltage supply.

Key functions:

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Display switch

Data reset

Keystrokes using method and the capacity, power, time reset Settings:

1) Keep Press long time the key: Zero all data(mAh,Wh,00:00:00)
2) Double-click the key: for the Capacity data reset to zero
3) When measuring < 5v connection, press the key to change the window, entering the setup window for low voltage background light, adjust the parameters by double-clicking or three-clicking, click-holding for continuous and quick adjust.
4) Without load, quickly click the key for 7 times, for current data reset to zero(0.00A). It is for Precise calibration in local circumstance, so that the small current could be precisely measured.
5) Keep pressing the key when power-off, then power-on, setting the background setup window for High&Low Voltage over-load, single-click or double-click to adjust the parameters, keep press the key long time to reset to the default setup.

(For. Power don't calibrate the voltage or current if without standard instruments)

Specification:

Input/output interface: 20 A large current screw fixation type terminal
Voltage range: 0.00 V ~ 150 V Resolution precision: 0.05 V
Current range: 0.00 A ~ 20.0 A Resolution precision: 0.05 A
Capacity range: 0 ~ 999.999 Ah Resolution precision: 0.01 Ah
Power cumulative range: 0 ~ 999999 Wh Resolution precision: 0.01 Wh
Power range: 0.000 ~ 2999.99 W Resolution precision: 0.01 W
Impedance range: 1 ~ 999.9q Resolution precision: 0.1Ω
Temperature range: 0 ~ 99℃ Resolution precision: 1℃
Timing maximum time: 999H59M59S Resolution precision: 1S
Timing remind Settings: the countdown 24 hours of any value
Small current standby alert threshold parameters: < 2 W / 0.5 H
Small voltage power supply requirements: measuring < 5V low voltage, please supply independent power supply interface.
Range of 4 ~ 30V dc power supply voltage to the measurement system
Time to refresh: > 500 ms/time > 500 ms/time
Measurement rate: 0.5 times per second
Over-voltage over-current set the alarm mode: display warning interface to alert users
Overpressure to remind the set range: 1 ~ 300V
Low pressure remind set range: 0 ~ 149V
Flow to remind the set range: 0.2 ~ 100A
Display type: micro power consumption of LCD module LCM black font
green back/display in both Chinese and English
Product size: 48mm x 29mm x 22 mm
Since the power flow: < 0.02 A
Working temperature: -10 ~ +60 degrees Celsius
Working humidity: 10 ~ 80 (dew) undoubtedly 10 ~ 80 (no doubt)
The pressure of work: 80 ~ 106 kpa