# DC430-100A Low voltage power supply version 8 In 1 Tester

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**1.Technical parameters**

Product Name: DC430-100ALow Voltage Edition 8 in 1Tester

Instrument working voltage: XH-3P red black wire DC4~30V (do not overvoltage power supply)

Introduction to Wire Definition:XH-2.54-3P red black yellow wire (total length : 155mm)Thin red wire: the positive pole of the working power supply cannot be connected to a power supply above 30VThin black wire: The negative pole of the working power supply is grounded together with the thick black wire, and there is no need to connect it when sharing the power supplyThin yellow wire: voltage test wire, connected to the positive pole of the test circuit power supplyVH-3.96-2P thick red black wire (total length : 165mm) current test wireThick wires cannot be directly connected to the two poles of the power supply, as it will cause a short circuit!!!

Thick red line: current test positive pole, parallel shunt connected to the negative end of the load in series.

Thick black wire: current test negative pole, parallel shunt connected to power negative pole.

Connecting the splitter: A parallel 100A 75mV splitter is required to use, and the splitter can be sold separately or provided by oneself

Voltage measurement range: DC0~100V Error ± 1.00V 0.1V Jump

Current measurement range: 0.00A~100.0A Error ±1A 0.03A Jump

Power measurement range: 00.00~9999W

Capacity measurement range: 0~9999999mAh

Energy metering range: 0~9999999mWh

Temperature sensor: cylindrical waterproof probe NTC 10K 3950 1% sensor with a total length of approximately 1 meter

Temperature measurement range: -40~120 ℃ (external temperature measured by NTC sensor)

Time measurement range: 0~999:59:59 (hour: minute: second)

Working energy consumption: 20mA (measured at DC12V)

Accumulated data reset: supported

Empty forced reset: supported

Voltage display fine tuning: supported

Current display fine adjustment: supported

Percentage battery display: Based on voltage reference, the percentage battery (full and low battery voltages need to be manually set)

Product size: 47.59 × 28.67 × 25.33mm

Installation hole: 45 × 26mm

Product weight: 30g (including wire and NTC sensor)

DC430 series products are compatible with the installation aperture and terminal of low-voltage dual display voltmeter Ammeter of M430, M3430, VC288 and other models. Selecting the corresponding range can directly replace and upgrade the installation.

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It is recommended to test the wiring with M430 for the first time connecting to DC430, and then replace it with DC430 after the test is OK.

**2.Physical display**

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Positive product display

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Display on the back of the product

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Line end docking display

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Columnar waterproof probe NTC 10K 3950 1% sensor with a total length of approximately 1 meter

图片XH-2.54-3P red black yellow wire (total length: 155mm)

图片

VH-3.96-2P thick red black wire (total length of thick wire: 165mm) current test wire

**3.Interface Introduction**

3.1Introduction to Display Interface

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1. Sensor detects temperature2. Real time voltage3. Real time current4. Real time current5. Accumulated energy6. Accumulated capacity7. Reference battery level based on voltage8. Accumulated running time

3.2 MEUN

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1. DATE CELEAR: Accumulated data reset

2. FORCED TO ZERO: No load forced reset

3. V-ADJ:... V: Display voltage fine adjustment (does not affect the actual voltage)

4. A-ADJ:... A: Display current fine adjustment (does not affect actual current)

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5. V-LOW:... V: Low battery voltage6. V-FULL:... V: Battery full charge voltage7. RESET: Reset8. EXIT: Exit

**4.Wiring method**

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The 100A range needs to be connected in parallel with a 100A 75mV shunt for normal use. Without the shunt, the current cannot be measured. The shunt can be purchased separately or provided by oneself

4.1 Independent power supply wiring

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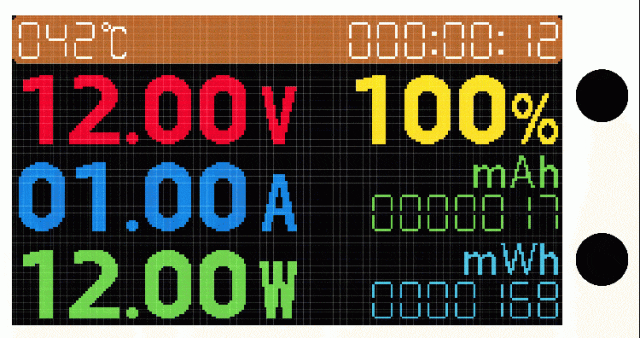
4.2 Common power supply wiring

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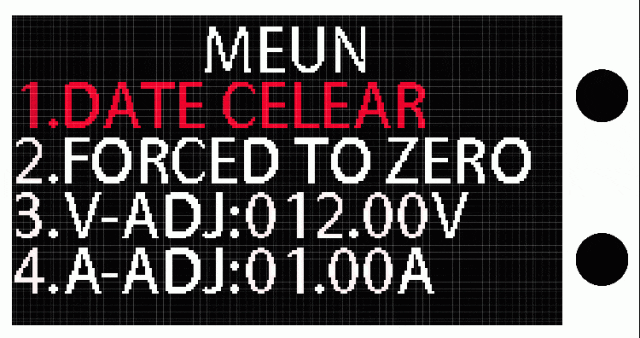
**5.Setting method**

Script

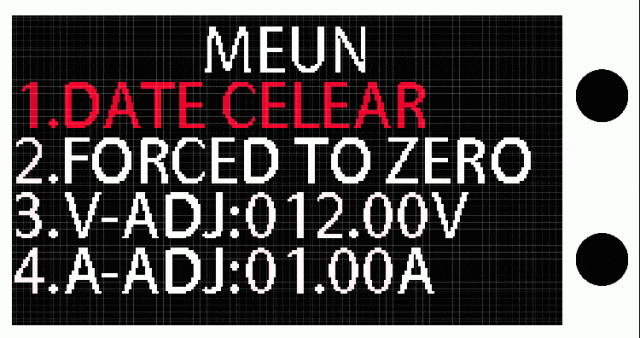
5.1、Enter the 'Menu' and press and hold the 'Up' button for 6 seconds to enter the menu



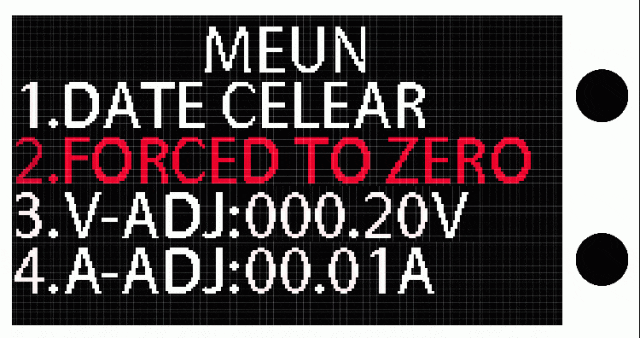
5.2、Click the 'Up' button to switch menu options



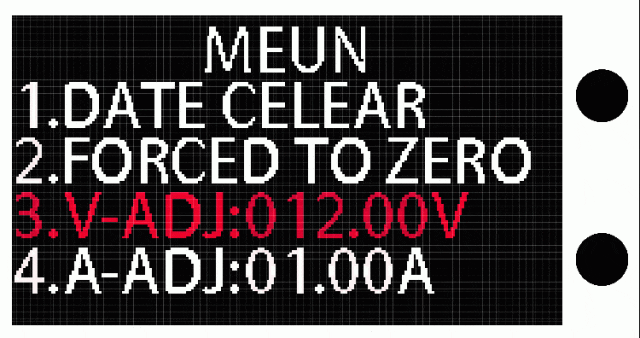
5.3、Accumulated data reset: Select "1. DATE CELEAR", click the "Down" button to complete the reset



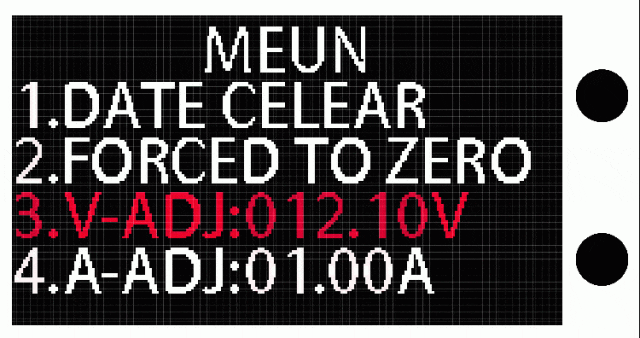
5.4、Zeroing with no load: When using the XH-3P terminal for power supply, the voltage and current are not zero. By displaying fine adjustment or selecting "2. FOECED TO ZERO", click the "Down" button to complete the zeroing. If the voltage is displayed normally and forced to zero due to misoperation, simply restore to the factory.



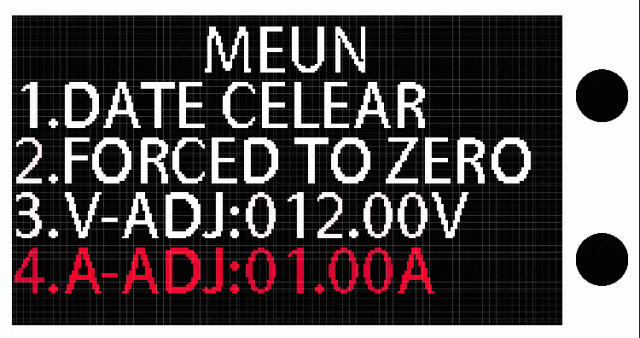
5.5、Display voltage fine adjustment: Select "3. V-ADJ:" and click the "Down" button to increase the displayed voltage value

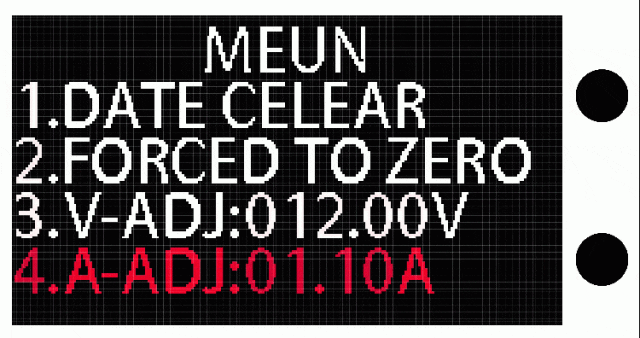


Long press the "up" button to continuously reduce the displayed voltage value

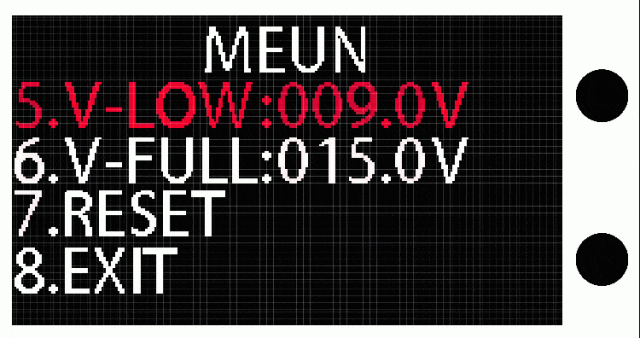


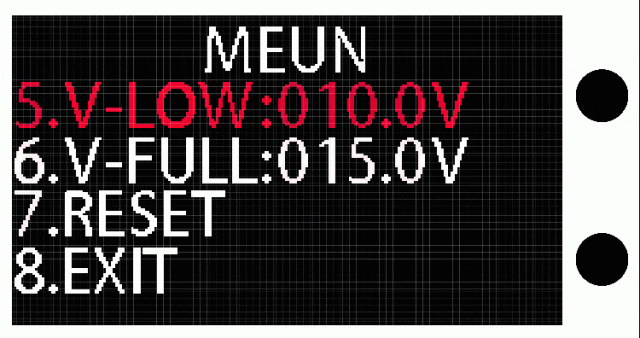
5.6、Display current fine adjustment: Select "4. A-ADJ:" and click the "Down" button to increase the current display number



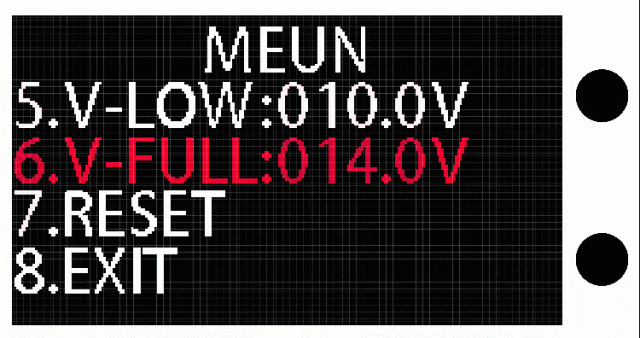
Long press and hold the "up" button to continuously reduce the current display value

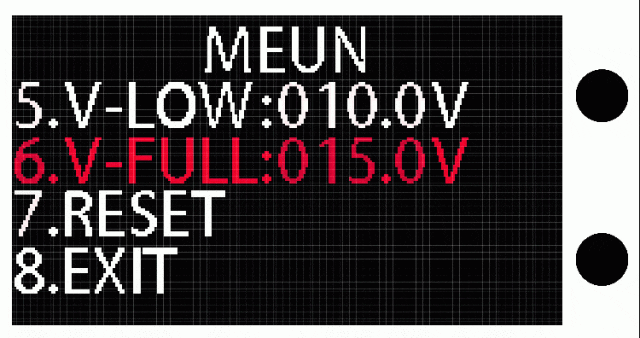
5.7、Set battery low voltage: Select "5. V-LOW:" and click the "Down" button to increase the voltage parameter



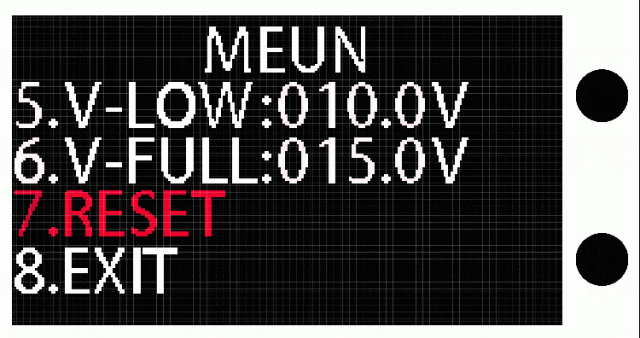
Long press the "up" button to continuously reduce the voltage parameters

5.8、Set the battery full charge voltage: Select "6. VFULL:" and click the "Down" button to increase the voltage parameter



Long press the "up" button to continuously reduce the voltage parameters

5.9、Factory reset: select "7. RESET" and click "Down" to confirm the restore



5.10、Exit the system menu: select "8. EXIT" and click "Down" to confirm exit

