



PCWork DC REGULATED POWER SUPPLY PCW07C

User Manual

Copyright declaration

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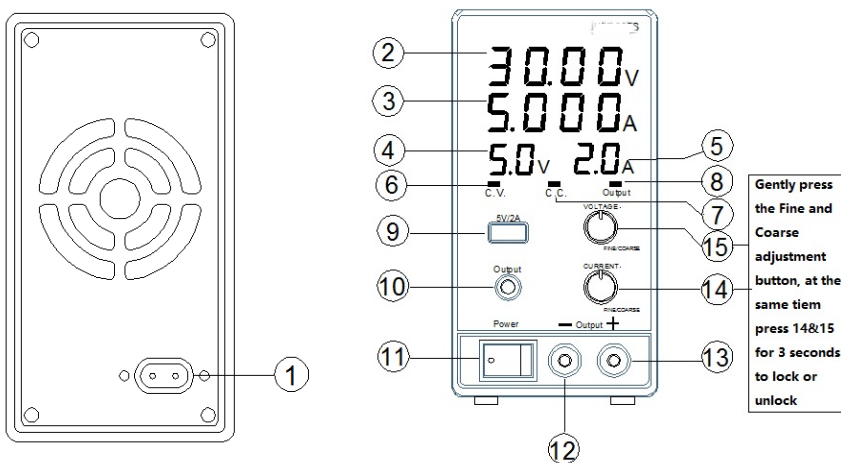
General information / safety instructions:

- It is not allowed to change the manual in any way or add content without the written permission of the distributor.
- The user of this power supply is obliged to ensure that any other person using this device has read and understood the manual, in particular the safety instructions. The user is obliged to ensure the functionality of the device before use, to provide the manual and has to ensure that only qualified users operate the device.
- Any modification related to the design or construction of the device is not allowed.
- Any warranty and liability claims for personal injury and property damage are excluded if they are due to one of the following causes:
 - Improper use and operation of the device
 - Non-compliance with the instructions and safety regulations of the manual
 - Operation and use without wearing suitable personal protective equipment
 - Use and installation of unauthorized spare parts
 - Improper maintenance and changes related to the design or construction of the device; removal of the nameplate.
- Please read this manual carefully before using the device and pay special attention to the safety warnings.
- Strictly adhere to this manual when using the device. Also, pay attention to all safety instructions on the device itself. Otherwise, the protective function of the device may be damaged, weakened or otherwise impaired. Safe operation and safety for the user cannot be guaranteed in this case.
- Do not provide children with access to the device. Parents bear full responsibility for all safety risks resulting from non-compliance.
- Before using the device, please check whether it has a crack or plastic damage. If this is the case, do not continue to use the device.
- Maintenance work on the device may only be carried out by trained specialist personnel.

1 Technical Parameters:

1. 1 Input Voltage: 104~127V AC (60Hz)
1. 2 Output Voltage: 0-30V DC, Output Current: 0-5A DC
USB port output voltage: DC 5V/2A(MAX)
1. 3 Line regulation: CV \leq 0.1%+3mV CC \leq 0.2%+5mA
1. 4 Load regulation: CV \leq 0.1%+10mV CC \leq 0.5%+10mA
1. 5 Ripple and noise: CV \leq 5mVr.m.s CC \leq 20mAr.m.s
1. 6 Protection: Short circuit, Over temperature and Over load protection
1. 7 Voltage indication accuracy: LED \pm 0.5%+5 digits
1. 8 Current indication accuracy: LED \pm 0.5%+5 digits
1. 9 Environment: 0~+40 °C relative humidity<90%

2.1 Controls and indicators:



- ① AC Input Socket
- ② Output voltage value display
- ③ Output current value display
- ④ USB output voltage value display
- ⑤ USB output current value display
- ⑥ CV--constant voltage status indicator
- ⑦ CC--constant current status indicator
- ⑧ OUTPUT—output status indicator
- ⑨ USB interface
- ⑩ OUTPUT output switch button
- ⑪ Power switch
- ⑫ Output Terminal Negative (-) Black color.
- ⑬ Output Terminal Positive (+) Red color
- ⑭ Current set value adjustment knob, current fine and coarse adjustment switch button
- ⑮ Voltage set value adjustment knob, voltage fine and coarse adjustment switch button

2.2 Operation of device:

Setting the Voltage:

Adjust knob ⑮ to the required voltage (if you press this knob once, you can switch between voltage coarse and fine adjustment)

Setting the current

Adjust knob ⑭ to the required current (if you press this knob once, you can switch between current coarse and fine adjustment)

Output Control:

After setting the current and voltage, press button ⑩, connect an output load. The voltage display will show the actual output voltage value at this time, whereas the current display will show the actual current value according to the load.

Lock Function:

Press knob ⑭ and ⑮ at the same time for 3 seconds, the display will flash once and now the voltage as well as current settings are locked-in. The output knob can be used normally. In order to return to the normal mode, press knob ⑭ and ⑮ at the same time again for 3seconds, the display will flash for once, and the power supply will return to the normal adjustable mode.

3 ATTENTION:

3. 1 The power supply is equipped with current limiting protection. In case of a short circuit at the output end, the output current will be limited to the maximum current limiting point and will not increase again. However, there is still a great power consumption on the power tube at this time. Therefore, in case of short circuit or overload, turn off the power supply and eliminate the fault, in order to restore the device to normal operation

3. 2 The mains power must be switched off before servicing. Any servicing work should only be carried out by a qualified person.

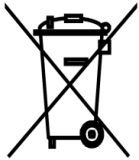
3. 3 The unit should be stored in a dry as well as ventilated place and the power cord should be removed if the device is stored for longer periods.

4 ACCESSORIES

4.1 Power cord -----one piece

4.2 Instruction manual -----one piece

Information regarding waste disposal



You are not permitted to dispose of this device in household garbage. This device corresponds to the EU-directive concerning the “Waste of Electrical and Electronic Equipment”. Please dispose of the device in your local collection point.

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