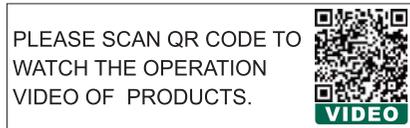




**9911-PS305  
Dc Power Supply  
User Manual**



**I. Brief introduction**

Mini Regulated DC Power Supply is a kind of reliable quality, highly stable and economical power supply. Featuring OVP, OCP, LED display of four-digit voltage and current, and extremely high stability and strong reliability, it is ideal for manufacturing, colleges and universities as home appliance repair units

**II. Product description**

Output voltage	Output current	Output power
0-30V	0-5A	0-150W

**III. Specification**

**1. Rated Operating Conditions**

Working voltage: AC 220V±10% 50Hz/60Hz  
Working conditions: temperature 0~40°C, relative humidity: ≤80%RH  
Storage conditions: temperature -20~60°C, relative humidity: ≤80%RH  
The whole temperature range to ensure accuracy: 23°C±5°C

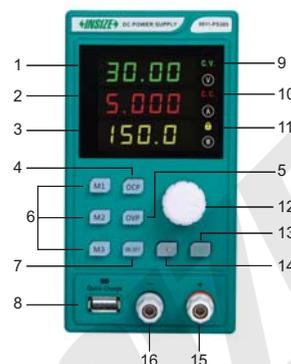
**2. Specification**

Voltage	
Load Regulation	≤0.1%+5mV
Line Regulation	≤0.01%+5mV
Setting Resolution	10mV
Setting Accuracy	≤0.1%+2digits
Readback Resolution	10mV
Readback Accuracy	≤0.1%+2digits
Ripple	10mVrms
Current	
Load Regulation	≤0.2%+3mA
Line Regulation	≤0.2%+3mA
Setting Resolution	1mA
Setting Accuracy	≤0.2%+6digits
Readback Resolution	1mA
Readback Accuracy	≤0.2%+6digits
Ripple	8mArms
OVP	0-33V
OCP	0-5.5A

Working conditions	Temperature: 0~40°C Humidity: ≤80%RH
Storage conditions	Temperature: -20~60°C Humidity: ≤80%RH
Cooling method	Fan cool
Weight	1.45KG
Size(Bare metal)	230*80*150 (MM)

**IV. Panel Features**

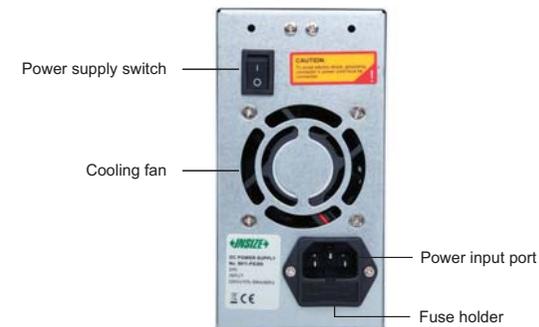
**Front panel**



1. Voltage value display meter
2. Current value display meter
3. Power value display meter
4. OCP setting button. Tap the button to enter the OCP setting mode. Set the OCP value through the knob. In the OCP setting mode, click the button to turn on / off the OCP function, the light function is on, and the light function is off. When the lamp is on, the protection function of the actual output value is higher than the set output value is triggered, and the screen power value window shows "OCP," which can be cleared by pressing the "ON / OFF" button.
5. OVP setting button. Tap the button to enter the OVP setting mode. Set the OVP value through the knob. In the OVP setting mode, click the button to turn on / off the OVP function, the light function is on, and the light function is off. When the lamp is on, the protection function of the actual output value is higher than the set output value is triggered, and the screen power value window shows "OVP," which can be cleared by pressing the "ON / OFF" button.
6. M1-M2-M3 button: Save value / Read value button. Rotate the Knob to set the value you want to save. Long press the "M1" button until the indicator is on, which means the value saved in the "M1" button successfully. Press the "M1" button to light the button. The saved value will be read when the indicator is on, (M1-M2-M3 button works essentially the same way).
7. On/ Off button: Output turn on/ turn off button
8. USB interface: Output 5V2A
9. CV (Constant Voltage) Mode indicator, The indicator is on when operating in constant voltage mode.
10. CC (Constant Current) Mode indicator, The indicator is on when operating in constant current mode.
11. Locked state Indicator, Long press the Knob to unlock/lock the buttons, The Locked state Indicator will be on if the product is in the locked state, Only output turn on/ turn off button works in the locked state.
12. Adjustment knob: in the display screen digital flashing status, clockwise rotation, the value increases, reverse the hour hand rotates, the numerical value reduces, presses the knob to be possible to change the digital flash digital position.

13. Voltage setting button: Press the button and set the voltage value, Digits flashes once set successfully.
14. Current setting button: Press the button and set the current value, Digits flashes once set successfully.
15. Positive output terminal (RED+)
16. Negative output terminal (BLACK -)

**Rear panel**



**V. Instructions for use and protective measures**

1. Keep the switch off. Connect the power cable of the power supply. Ensure the L end of the power cable plug connected to the live wire of the power socket and the grounding wire connected to the ground.
2. The power supply must be grounded when in use.
3. Please attach importance to good ventilation when in use. Keep a 10 cm gap with other articles from four sides of the power supply. Do not expose the power supply to dusty, corrosive gas and other harmful substances.
4. Specification of the power supply should be measured after 15 minutes of its "warming-up".
5. Ensure the transfer switch for voltage input consistent with the mains electricity prior to power connection, otherwise this will lead to serious failure.

**VI. Maintain**

1. With normal power supply voltage, the failure of digital display after the power is on may due to the burning out of the fuse or other faults, Then replace the fuse or ask for professional's help after disconnecting the power switch and unplugging the power cable.
2. When the stable voltage source is used, the power supply will automatically switch to the stable current working state as the output voltage is less than the desired value with the CC light on for current protection, The load should be checked or the maximum current should be increased in this situation (to adjust CURRENT clockwise)
3. When the stable current source is used, the power supply will automatically switch to the stable voltage working state as the output current is less than the desired value with the CV light on for voltage protection, The load should be checked or the maximum voltage should be increased in this situation (to adjust VOLTAGE clockwise).



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