

YH-305DB

instruction manual

YH-305DB Digital program control power supply's voltage and current setting is realized by the key and code switch.

I. Front Panel function introduction:

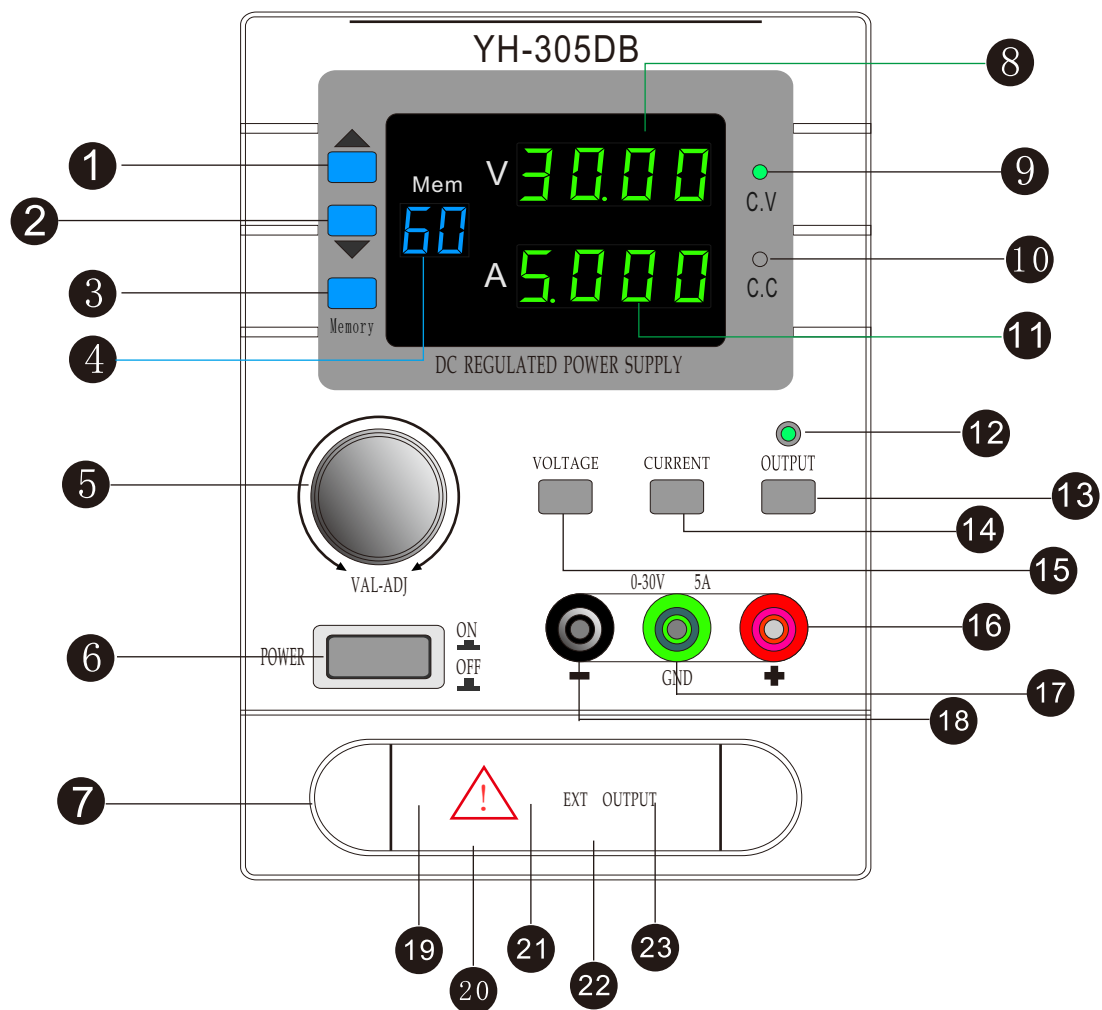


Figure 1

①	memory plus
②	memory minus
③	storage/call
④	storage group display
⑤	code switch
⑥	power switch
⑦	output connection box

⑧	set/output voltage display
⑨	the constant pressure light
⑩	the constant current light
⑪	set/output current display
⑫	Output power indicator light
⑬	Output/off output
⑭	Current set button
⑮	Voltage set button
⑯	Main output+
⑰	Main output
⑱	Main output-
⑲	Sub output1+(in parallel with the Main output)
⑳	Sub output2+(in parallel with the main output)
㉑	Sub output2-(in parallel with the main output))
㉒	Sub output
㉓	Sub output1-(in parallel with the main output))

II. Rear pannel function introduction:

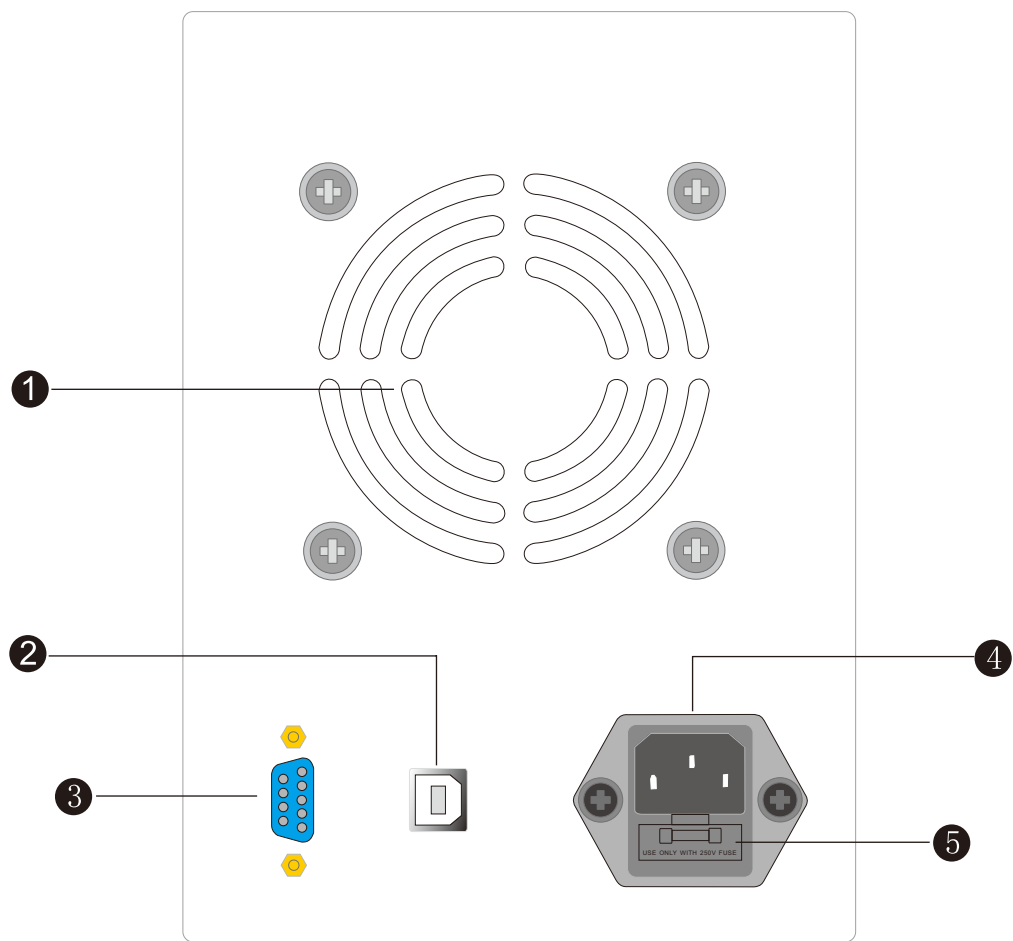


Figure 2

①	Heat-sink window
③	Db9 serial port
⑤	The insurance holder

②	USB serial port
④	Power input hole

III. Setting operation step:

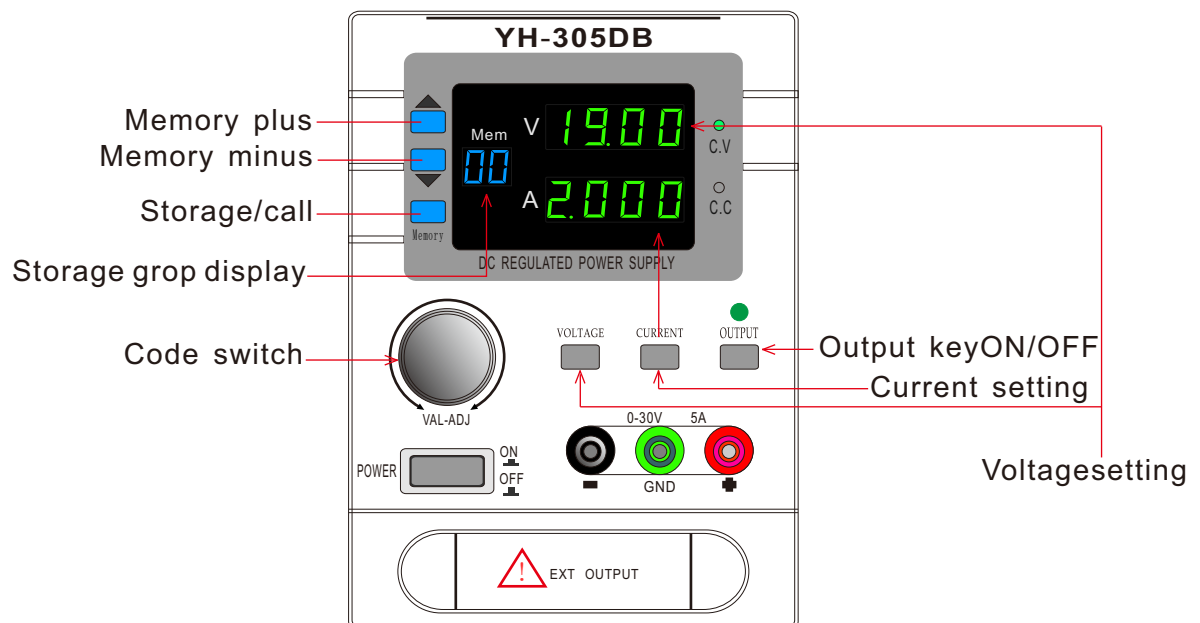
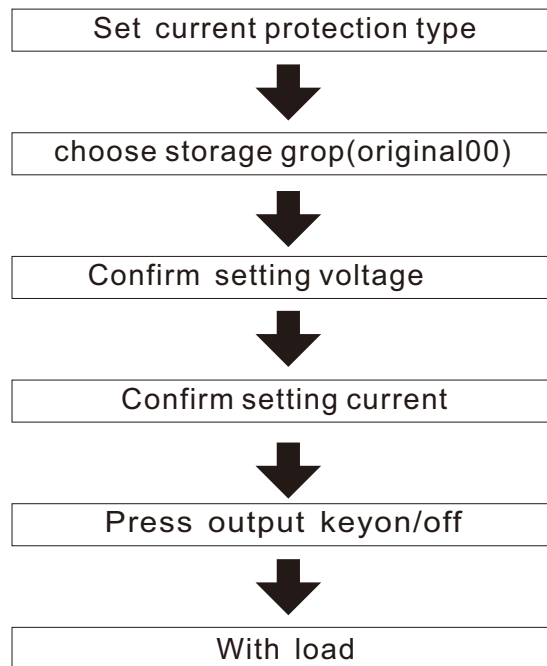


Figure 3

Below are some commonly used equipment feature set usage instructions:

IV. Current protection type choose

YH-305DB current protection type: constant current output and over current off. Setting method: press the current set key, switch on the power, when display “H”, it's constant current mode, when display “C”, release current set key, it's over current off, release current set key, current protection type will automatically saved and enter normal working mode. AS figure 4

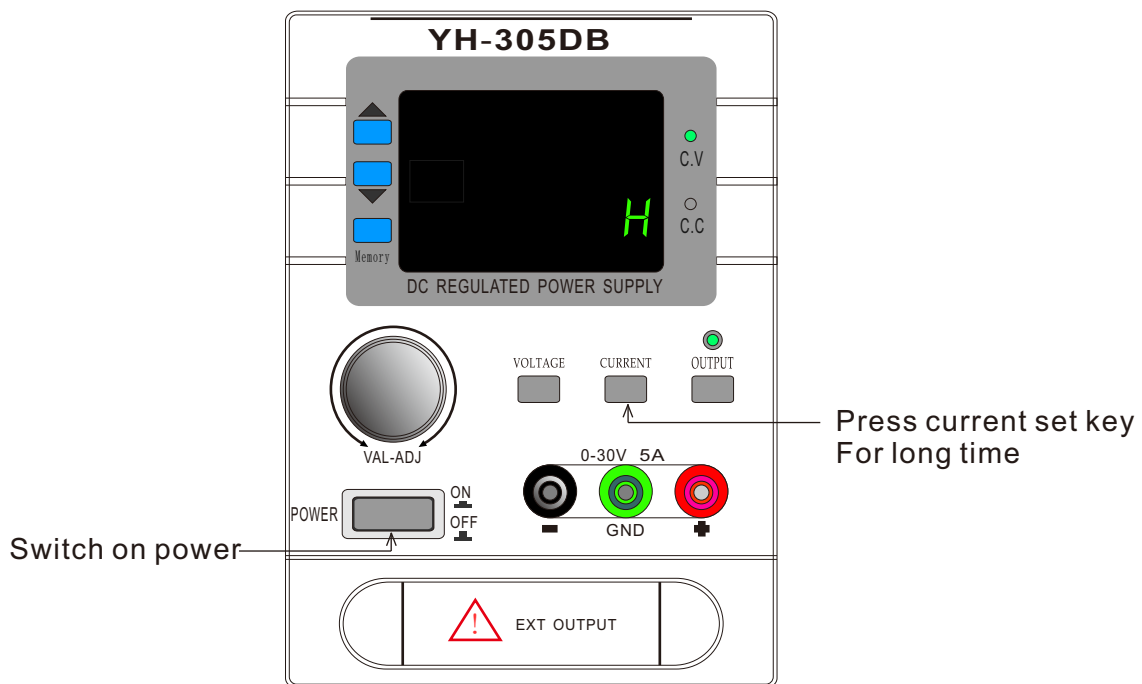


Figure 4

When current protection is set to constant current power supply output maximum current for the current effective protection power equipment damage due to the load is too small; and at the same time protect the load equipment damage due to flow.

When current protection set for flow shut off the power supply output current exceeds the current power equipment will automatically cut off output power supply, power supply and the load more effective protection equipment. Don't set too small current (less than 20 ma), in order to avoid the output moment during the charging current protection.

V. Votage setting:

Press voltage set key, Set the voltage shows individual flashing, tenths unit flashing, percentile flashing, then tens flashing, adjustable code switch which ca Voltage can be set flashing a change for the unit(as figure 5).if setting voltage data is changed, it will automatically saved into The current storage group

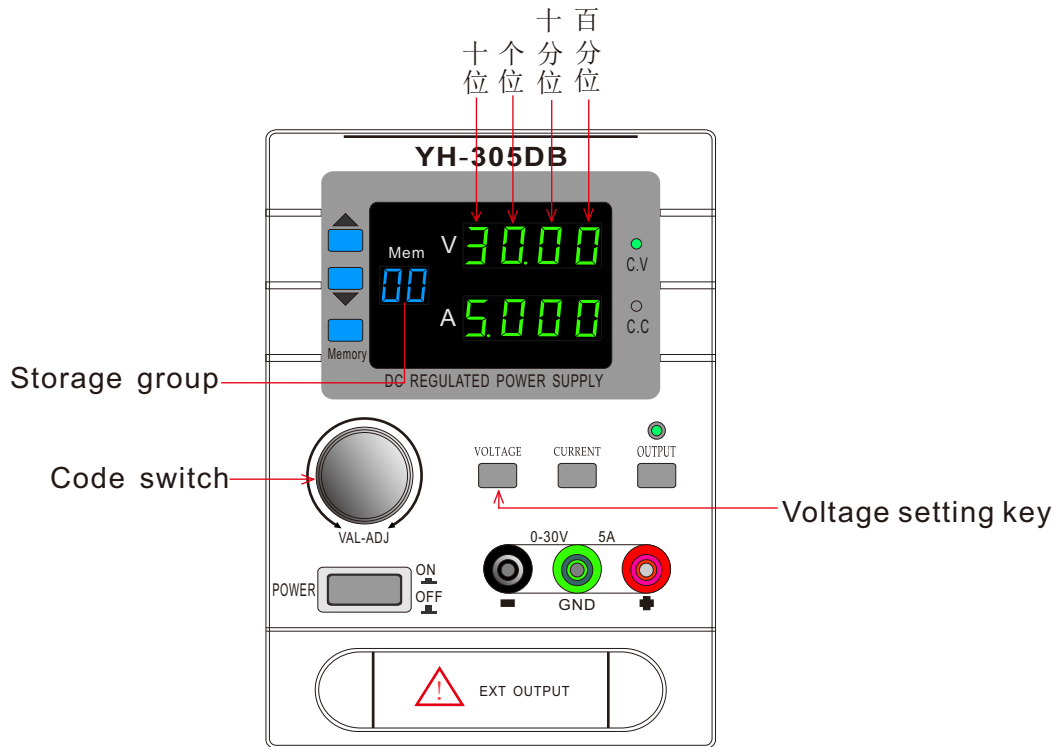


Figure 5

VI. Current setting:

Press current setting key, set current display tenths unit flashing, percentile flashing, Micrometer level flashing, bits flashing, adjustable code switch which current can be set flashing a change for the unit(as figure 5). If setting current data is changed, it will automatically saved into The current storage group

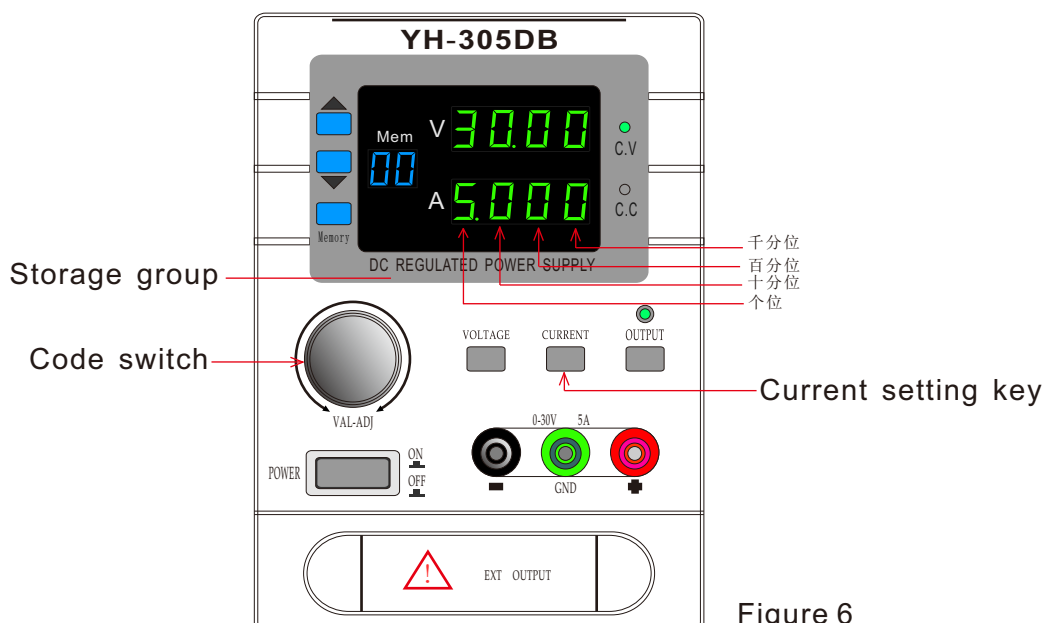


Figure 6

VII. The usage of storage group:

When equipment power supply for each load, set the voltage current has a fixed value. For example, when supply power for notebook, setting:19V, 2A keep the setting data to storage group 01. For mobile phone, the setting:5V, 0.5A keep the setting data to storage group 02. When supply power for notebook, choose storage group 01,when supply power for mobile phone, choose storage group 02.No need to repeat set

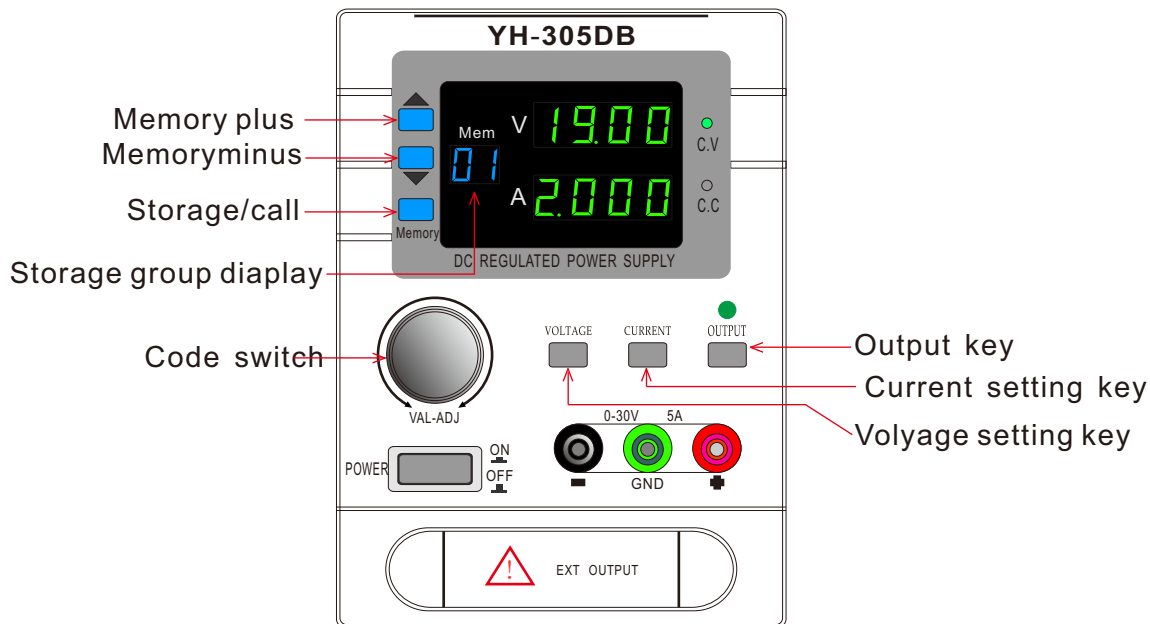


Figure 7Figure 1

Now, take notebook data setting for example, introduce storage/call method. storage method:

1. Press storage /call key, storage group display flashing.
2. Press memory plus/minus, storage group display "01".
3. Press voltage setting key, adjust code switch to set voltage to be 19V
4. Press current setting key, adjust code switch to set current to be 2A

Call: (as figure7):

1. Press storage/call, storage group display flashing.
2. Press memory plus/minus, storage group display "01".
3. At this time, set the voltage 19V, current 2A.
4. Press output key, output key will be light, can supply power to notebook.

VIII. Connect to host computer, realize the control.

Hostcomputer operation can be found in “host computer instruction manual” This section describe the connection method between host computer with power supply and after connection the power supply working mode.

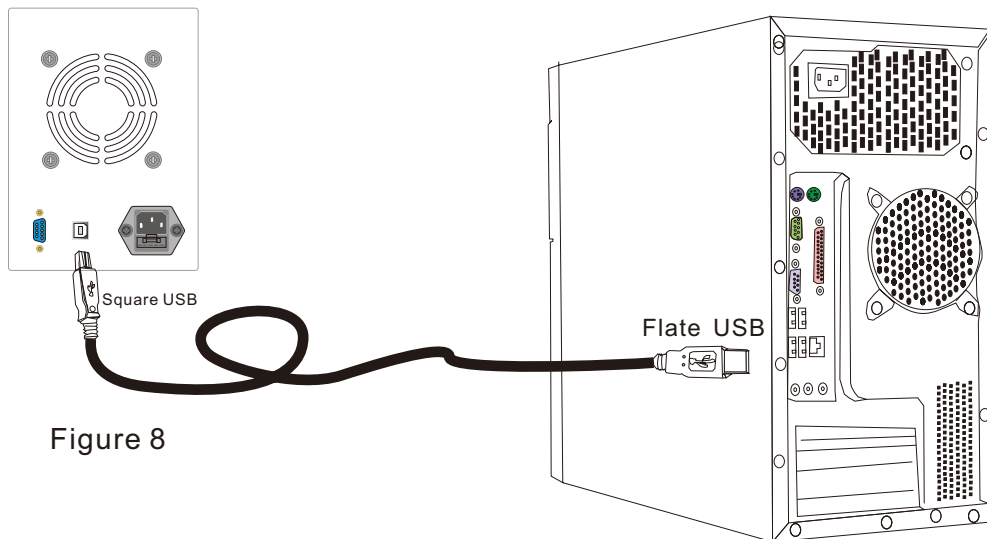


Figure 8

USB connection method:

One end of the connection cable is square mouth, the other is flate mouth. The square mouth is inserted into the rear pannel “USB hole”of the power supply; the flat mouth is inserted into any USB hole of host computer, The software will automatically search power supply’s access port .

Rs232 connection method:

Use one end of Db9 insert into the rear panel Rs232 hole of power supply. the other is inserted into Db9 serial port. As figure 9

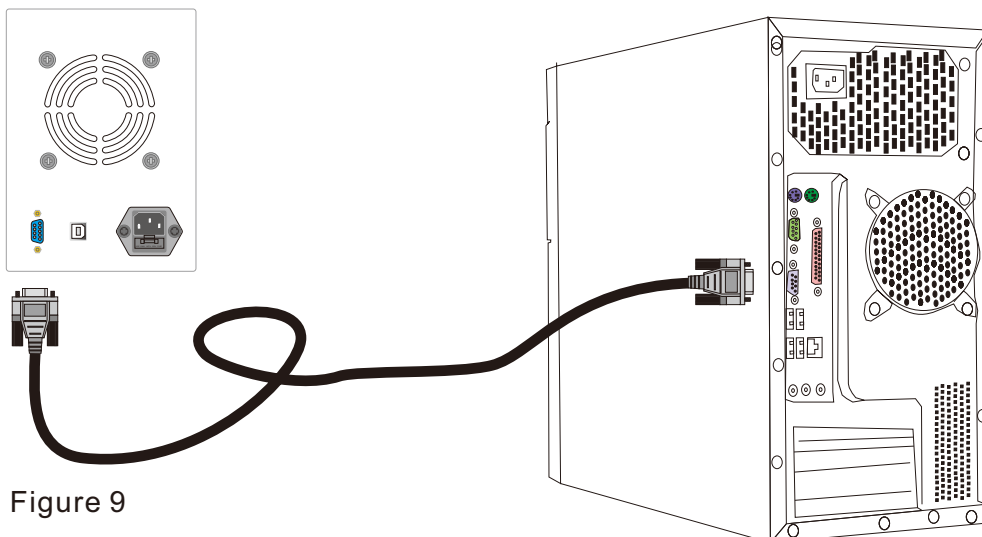


Figure 9

Serial port communication:

1. Switch on the power of this equipment, open host computer's interface, power supply equipment will automatically connect successfully with computer communication.
2. After connect successfully, host computer will display it, the power supply display "PC" as figure 10.
3. After connect successfully, power supply is just controlled by host computer interface, can not response to panel operate until turn off the power.
4. Finished using, close host computer interface, the machine back to before connection state

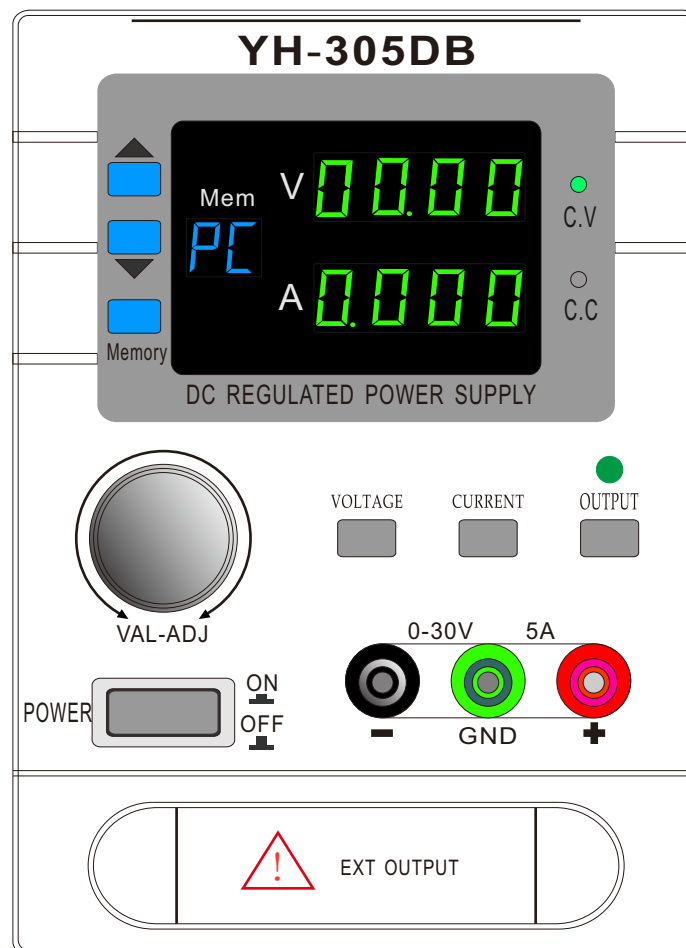


Figure 10