

VICTOR 3005C

Program-controlled intelligent linear DC stable power supply

使用说明书

一、安全

1、安全预防措施

请特别注意阅读这些安全预防措施。

这些安全措施是为了保护你的电源免受损坏。

这些安全信息适用于所有的操作者和服务人员。

2、警告申明

注意：指使用正确的操作或维护程序，以防止设备或其他财产受损坏或破坏

警告：请注意潜在的危險，这需要正确的做法和操作，以免受到人身伤害。

安全标识：

⚠ 注意

⚡ 保护性接地端子

二、产品概述

VICTOR 3005C是一款程控智能型线性直流稳定电源。LED四位电压、电流显示，该电源具有过电压保护（OVP）、过电流保护（OCP）、过温保护、四组存储及调取电压功能，预置电压、电流功能和电压电流输出锁定功能。其极高的稳定性、极强的可靠性、强大的功能，是工厂、学校、维修部门等所需要的理想工具。

型号	电压输出	电流输出	LED显示位数
VICTOR 3005C	0-30V	0-5A	4位

三、面板特征

1、前面板介绍

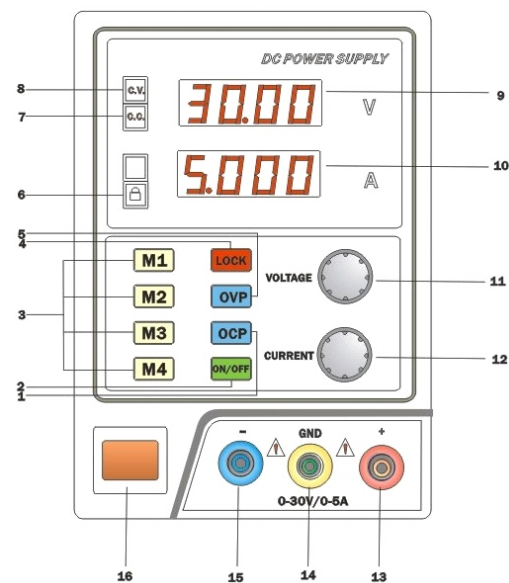


图3-1 前面板示意图

1. OCP 设置键：按 OCP 功能键，LED 黄灯亮表示功能启用，当 LED 黄灯灭表示功能关闭。在按 OCP 键 LED 黄灯亮的状态下，实际输出电流值高于设定电流值时，保护功能被启动，此时屏幕显示“-ER OCP-”。此时可按 ON/OFF 键清除。设置保护电流值：长按 OCP 键直至屏幕显示 OCP 字出现，此时进行电流设置，设定值后屏幕停止闪烁设置完成，再按 OCP 键点亮黄灯即为保护功能被启动。
2. ON/OFF 键：为输出和关闭功能键，按 ON/OFF 键，LED 绿灯亮时表示输出，LED 绿灯灭时表示无输出。
3. M1-M4 储存调取按键，按按键 LED 蓝灯点亮，调出该组的电压存储值。存储电压：当预储存所需的电压时，按正常设定电压设置步骤设置，设置完成后长按此键至蓝灯亮方为存储完毕
4. LOCK 锁定/解锁键。
5. OVP 设置键：按 OVP 功能键，LED 黄灯亮表示功能启用，当 LED 黄灯灭表示功能关闭。在按 OVP 键 LED 黄灯亮的状态下，实际输出电压值高于设定电压值时，保护功能被启动，此时屏幕显示“-ER OVP-”。此时可按 ON/OFF 键清除。设置保护电压值：长按 OVP 键直至屏幕显示 OVP 字出现，此时进行电压设置设定值后屏幕停止闪烁设置完成，再按 OVP 键点亮黄灯即为保护功能被启动。
6. 按键锁指示灯：长按 LOCK 键 LED 红灯点亮，表示输出锁定；再按 LOCK 键 LED 红灯熄灭，表示输出解锁。
7. C.C 稳流工作状态指示灯：在稳流工作状态下此指示点灯亮。
8. C.V 稳压工作状态指示灯：在稳压工作状态下此指示点灯亮。
9. 电压值显示面板表：显示电源电压值。
10. 电流值显示面板表：显示电源电流值。
11. 稳压输出值调节旋钮：往下按旋钮即可进入设定模式，数字位闪烁顺时针旋动，输出电压增大。逆时针旋动，输出电压减小。往下按旋钮可以改变闪烁数字位。
12. 稳压输出电流值调节旋钮：往下按旋钮即可进入设定模式，数字位闪烁顺时针旋动，输出电流增大。逆时针旋动，输出电流减小。往下按旋钮可以改变闪烁数字位。
13. 输出端子正极（红）。
14. 接地端 CND:该端子和机壳相连并且和电源线的连接地相连。
15. 输出端子负极（黑）。
16. POWER 电源开关。

2、后面板介绍

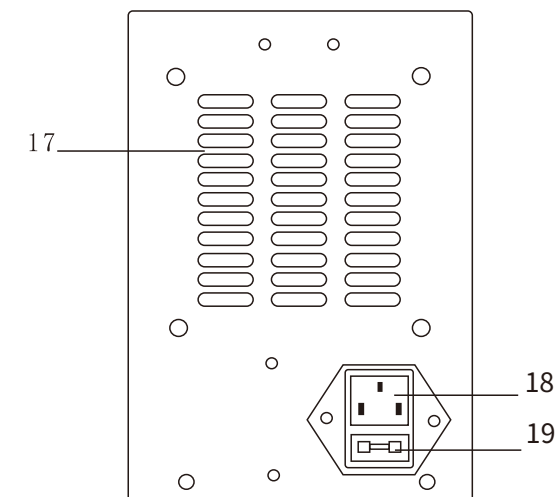


图 3-2 后面板图

17. 散热孔
18. 源电压输入插座
19. 保险丝座

Four, Technical Parameters

1. Rated working conditions

Power supply voltage: AC220V_{scholar}10%, 50Hz
 Working conditions: Temperature: 0~40°C Relative humidity: 80%RH
 Storage conditions: Temperature: 0~60°C Relative humidity: 80%RH

2. Technical indicators

Voltage regulation characteristics	
Load Regulation	Main 0.01%+2mV
Power Regulation	Main 0.01%+3mV
Voltage resolution	4-digit display: 10mV
Display accuracy 25°C±5°C	Earth (0.5%+20mV)
Ripple 20Hz-20MHz	Main three 2mVrms
Temperature coefficient	3100ppm=10mV
Steady flow characteristics	
Load Regulation	30.1%+10mA
Power Regulation	To 0.1%+3mA
Current resolution	4-digit display: 1mA
Display accuracy 25°C±5°C	Main ± (0.5% + 20mV)
Resolution	4-digit display: LqCy
Readback accuracy	4-digit display three ± (0.2%+5 d)
Ripple 20Hz-20MHz	Main 3mArms
Temperature coefficient	Main 100ppm+5mA
OVP	-. -30V±0.2%FS
Maximum voltage	- -30V±0.2%
OCP	-SA±0.2%FS
Maximum current	SA ± 0.2%
Reaction time10%Rated load	Voltage rise: 3 100ms Voltage drop: Main 100ms
Cooling method	Air Cooling
weight	5.5KG
sizeWxYxZ	26.5x10.3x15.6cm

five, Instructions for use and protective measures

- The PO male R switch is in the off state. Connect the power cord that comes with the power supply. The N end of the power cord should be aligned with the power socket as much as possible. The grounding in the power cord connected to the live wire should first ensure a good connection with the earth.
- This series of programmable linear power supply is a floating type power supply. If the output terminal must be grounded, connect the positive terminal of the 0-30V output terminal on the front panel to the + or - Negative pole and ground -GND- connect. The grounding lug included with the power supply can be used.
- When using the power supply, please pay attention to ventilation and keep it away from other objects on the top, bottom, left and right. 10cm To ensure smooth ventilation, the power supply should not be exposed to dust, corrosive gases and other harmful substances. No
- The technical indicators of this power supply should be measured after it has been preheated for 15 minutes.
- Before powering on, check whether the power input voltage is consistent with the mains voltage, otherwise it will cause serious malfunctions.

t, a, Packing List

- Whole machine one tower
- Power cord one strip
- User Manual one Book
- Power output cable one root

seven, maintain

- When the power supply voltage is normal, the POWER light, CV light and digital display meter are not on after the machine is turned on. It may be that the fuse is burned out or there is other fault. Turn off the power switch, unplug the power cord, replace the fuse or ask a professional to check;
- When the voltage regulator is used, the output voltage is less than the preset value and the CV light is on, it is current protection, the machine automatically switches to steady current working state, at this time you should check the load or increase the maximum current according to the usage (adjust CURRENT clockwise);
- When the constant current source is used, the output current is less than the preset value and the CV light is on, which is open circuit voltage protection. The machine automatically switches to the voltage stabilization working state. At this time, you should check the load or increase the maximum voltage according to the usage (adjust VOLTAGE clockwise);
- When used as a voltage stabilizer, the operation is unstable. This may be because the AC power supply voltage exceeds the rated power supply voltage range. If the fault still cannot be resolved, Please contact your local dealer or our company.

Seller: Shenzhen Yishengshengli Technology Co., Ltd.
 land site: Tairan Building, Tairan 6th Road, Futian District, Shenzhen Dseat16 building
 electricity itongue: 4000 900 306
 (0755) 82425035 82425036
 pass real: (0755) 82268753
<http://www.china victor.com> E
 mail: victor@china victor.com

Manufacturer: Xi'an Beicheng Electronics Co., Ltd.
 land site: Jingyuan 7th Road, North District, Jinghe Industrial Park, Gaoling District, Xi'an
 electricity talk: 029-86045880