
Accessories

This instrument is supplied with the following accessories:

Power cable	1 pc
Operation manual	1 pc
Test Lead sets	1 pc

- If the equipment ever be comes in operative or damaged, refer servicing to a qualified repair facility.

- Pay attention to warning signs printed on the instrument.

⊕ Protective earth terminal
Connecting equipment only to a socket with grounded neutral conductor.

⚠ Attention, consult accompanying documents.

ATTEN[®]
I N S T R U M E N T S

APS3005S

REGULATED DC POWER SUPPLY

Operating Instructions

ATTEN[®]
I N S T R U M E N T S

CBN 020XXXX

MFR Add: Building A29, Tanglang Industrial Zone, Xili, Nanshan, Shenzhen, 518055, P. R. China

SHENZHEN ATTEN ELECTRONICS CO., LTD.

Please read the manual before operating this unit.

General

- This power supply is a regulated DC power supply which you can adjust the current and the voltage continuously. We use the LED to display the values of the current and the voltage. And the output terminal is a 4mm and safe banana jack.
- This power supply can be used in the electronic circuit such as the operational amplifier, digital logic circuit and so on.
We use a LED to display the values of the voltage and the current.
- 1.The voltage display accuracy: LED1%2byte
- 2.The current display accuracy: LED1%2byte

Specifications

- Model: APS3005S
- Input voltage: 110V±5%
- Frequency range: 60Hz
- Input current: 2A(less than3A full load)
- Output: DC0~30V, 0~5A
- Voltage regulation:
(C.V.): $1 < 10^{-4} \pm 10\text{mV}$
(C.C.): $5 < 10^{-4} \pm 10\text{mA}$
- Ripple: $\leq 1\text{mVrms}$
- Operating temperature: +5 °C~+40°C
- Storage temperature: -40°C~+80°C
- Storage and operating humidity: 10~90%RH

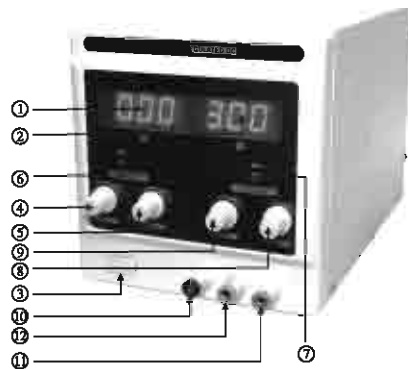
- Dimensions:10 x 6 x 6.7"
252 x150x171mm
- Net weight:11.7 lbs. (5.3kg)
- Gross weight:13.2 lbs. (6kg)

Features

- Voltage and current are adjustable
- Display for adjusted voltage and current.
- Over voltage protection.
- Short circuit protection.
- Over temperature protection.

The instruction of the front panel

- (1) Current meter: display the output current value
- (2) Voltage meter: display the output voltage value
- (3) Power switch: control the power
- (4) Output current fine knob
- (5) Output current coarse knob
- (6) Current indicator
- (7)Voltageindicator
- (8) Output voltage coarse knob
- (9) Output voltage fine knob
- (10) Output “-” terminal
- (11) Output “+” terminal
- (12) Ground (Earth terminal)



Operations

- (1) Ensure that the power plug of this unit is connected to the AC110V power supply before using. Switch the power ON, and adjust the(8)~(9) knobs to set the voltage to the desired value, and then plug your output cords in the output terminal (10)~(11), now the current meter(1) will show the current value, if you want to get the desired current value, you can adjust the knob (4)~(5).
- (2) The limiting value of the output current is 5A. You must disconnect the power immediately when it is in overload (the over load indicator (6) is on).
- (3) Setting the current limiting mode
 - Verify the maximum safe current of out side load.
 - Use a short-circuit wire to short the terminals (+) to (-).
 - Adjust the current knob until the CC (Constant Current) indicator is on.
 - Adjust the current knob to the desired ampere. After setting the current value over load protection, do not change the current control knob.
 - Take off the short circuit wire, it is standby status now.
- (4) If the equipment is used in a manner not specified by the manufacturer, the circuit protection provided by the equipment may be damaged.

Safety Advice And Maintenance

- You should keep this unit in a dry and well ventilated place after using. disconnect the power cord if you are not going to use it for along time.
- The device is designed for indoor use only.
- Replace defective fuse only with the original value.
- The fuse is located on the rear panel adjacent to the power cordreceptacle.
- Fuse rating is 5A,110V AC
- Do not block the ventilation holes in the rear and side panel, as this will increase the internal temperature.
- Please keep the device away from children.
- Do not put any liquids near the unit to avoid a short circuit.
- Do not place the system near of strong magnetic fields.
- Before operating the system, it should be at room temperature to avoid condensation inside the device.
- Opening of the system for service is only by qualified service personal.
- Only use a three-contact AC power cable which must be plugged into an approved three-prong electrical outlet, and do not attempt to defeat the ground wire connection as to do so may pose a great safety hazard.
- Clean and recalibrate the equipment on a regular basis to keep the equipment working well.
- Remove the dirt, dust whenever they become noticeable on the outside cover with a dry cloth.