



LOW POWER SWITCHING DC POWER SUPPLY

APS-1015

User's Manual



SAFETY PRECAUTIONS

These instruments fulfill the regulations of CE-LVD (EN-61010:2001) and CE-EMC (EN-55022:1998/+A1:2000; EN 55024:1998; EN61000-3-2:2000; EN61000-3-3:1995)

To ensure safe operation of the equipment and eliminate the danger of serious injury due to short-circuit (arcing), the following safety precautions must be observed.

Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever.

- * Prior to connection of the equipment to the mains outlet, check that the available mains voltage corresponds to the voltage setting of the equipment.
- * Connect the mains plug of the equipment only to a mains outlet with right sockets.
- * Do not place the equipment on damp or wet surfaces.
- * Do not subject the equipment to direct sunlight or extreme temperatures.
- * Do not subject the equipment to extreme humidity or dampness
- * Replace a defective fuse only with a fuse of the original rating. Never short circuit fuse or fuse housing
- * Do not exceed the maximum permissible input rating.
- * Conduct measuring works only in dry clothing and in rubber shoes, i.e. on isolating mats.
- * Comply with the warning labels and other info on the equipment.
- * Do not insert metal objects into the equipment by way of the ventilation slots
- * Do not place water-filled containers on the equipment (danger of short-circuit in case of knock over of the container)
- * Do not operate the equipment near strong magnetic fields (motors, transformer etc.)
- * Do not subject the equipment to shocks or strong vibrations
- * Keep hot soldering iron or guns away from the equipment
- * Allow the equipment to stabilize at room temperature before taking up measurement (important for exact measurement)
- * Do not modify the equipment in any way
- * Do not place the equipment face-down on any table or work bench to prevent damaging the controls at the front.
- * Opening the equipment and any service and repair work must be performed by qualified service personal. Repair work should be performed in the presence of a second person trained to administer first aid, if needed.
- * Power supplies do not belong to children hands.

CLEANING THE CABINET

Prior to cleaning the cabinet, withdraw the mains plug from the power outlet. Clean only with a damp, soft cloth and a commercially available mild household cleaner. Ensure that no water gets inside the equipment to prevent possible shorts and damage to the equipment.

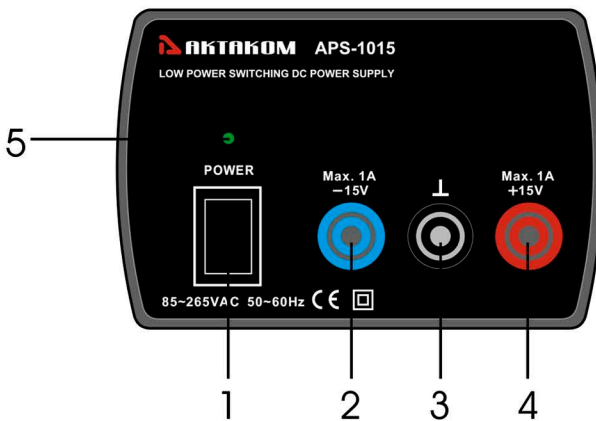
The model Aktakom APS-1015 is a low power switching DC power supply with 2 fixed output voltages and over current protection. The unit has compact structure, double insulation, safety and easy operation, wide voltage import, good performance, novel appearance and etc. It is the ideal power supply unit for education, laboratory, factory, electronic appliance maintenance and etc.

1. TECHNICAL DATA

- 1.1 Input voltage: 85~265VAC 50/60Hz
- 1.2 Output voltage: $\pm 15V$
- 1.3 Output current: 1.5A
- 1.4 Load regulation: 25mV
- 1.5 Line regulation: 5mV
- 1.6 Ripple&Noise: 1.8mVrms, 5mVpp
- 1.7 Output accuracy: $\pm 5\%$
- 1.8 Protection: Over current
- 1.9 Dimensions: 110 \times 74 \times 140mm
- 2.0 Weight: 0.3kg

2. OPERATION

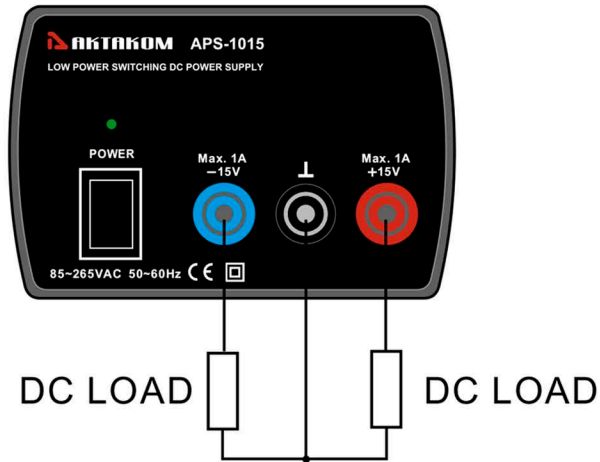
2.1 Controls and description of front-panel



APS-1015

- (1) Power switch: the unit is "ON" when in I position
- (2) Output terminal(-): connecting the negative terminal of load
- (3) Output centre terminal: connect the centre terminal of load, it is 0V point.
- (4) Output1 terminal(+): connecting the positive terminal of load
- (5) Indicator: the LED will illuminate when the unit is power on

2.2 Load connection:



Load is connected as shown above to get symmetric voltage $\pm 15V$.
 The load can be connected between terminal (3), (4) to get +15V
 or between terminal (2), (3) to get -15V.
 The load also can be connected between terminal (2), (4) to get 30V
 To get more accurate measuring value, you should monitor by an external
 circuit with precision measuring meter.

3. CAUTIONS

- 3.1 When operating is finished, put it in a dry place of good ventilation, and keep it clean. If it is not in use for a long period, pull off the power supply plug for storage.
- 3.2 For maintenance, input voltage must be cut off.

4 ACCESSORIES

- 4.1 Instruction manual 1 copy