Power Supply

High Voltage - 500V DC

LB2612-002 0-500V DC / 0-350V AC

Description:

This is a special purpose compact laboratory power supply which may be used for electrical experiments requiring smoothed DC high voltages. The output voltage may be smoothly adjusted from zero to 500V.DC. or zero to 300V.AC at 50mA max..total load. The power supply is used for experiments in electronics, vacuum tubes, mass of an electron and so on. The output voltage is monitored by a large meter but if output current must be monitored, a separate bench meter will be required.

Mains power is controlled by an ON/OFF switch and the high voltage output is controlled by a separate ON/OFF switch.

Output Voltages Available*:* The High Voltage DC. output is filtered by capacitance and is fully floating (does not relate to earth). The AC and DC connections are by separate insulated 4mm spin free socket head terminals. Output is protected from overload by an electronic trip. To reset the electronic overload, turn off the high voltage or the mains power, remove the overload and turn on again.

A low voltage output of 6.3V.AC. at 4 amps max. is provided and is protected by a self resetting thermal overload. This low voltage is normally used for heaters in electron tubes, (Teltron or similar). Two pair of 4mm spin free socket head terminals are provided.

Length: 325mm	Width: 172mm	Height: 108mm	Weight: 3.6kg

Specifications:

Input:

220/240V.AC. 50/60Hz. approx 0.5 amp.

Outputs:

High Voltage:
Adjustable 0-500V.DC. and
0-300V.AC with digital voltmeters.
Maximum current approx. 50mA total load.
Low Voltage:
2x 6.3V.AC.
Maximum current: 4 amps total load.

Protection:

High voltage:
By electronic overload with LED indicator.
Reset by turning off the mains power and removing the overload and turning on again.

Low voltage:
By audible thermal, auto-resetting overload.

Designed and manufactured in Australia