

Variable Laboratory Supply Units

Variable Laboratory Supply Units provide a source of extra low voltage ac and dc power, to supply experiments in school science laboratories, etc. Standard assemblies incorporate two hard wired outputs: one ac and one dc. Selection of the output is by a two position rotary switch fitted to the front of the assembly. Both outputs are separated from earth (SELV) and can be adjusted in a range from 0 to 20V, via a variable transformer, which is also controlled at the front of the assembly. Each output has an associated analogue voltmeter and ammeter. The outputs are intended to supply terminal blocks or sockets on laboratory benches. The supply into each assembly is controlled and protected by an MCB.

Standard Specification

Enclosure

Wall mounting, sheet steel, finished in durable polyester powder paint, colour white.

Input Voltage

230V

Voltage Output Range

0 to 20V ac or dc, switch selectable

Power Rating

400VA at 20V (20 amps)

Ripple

The standard dc output is unsmoothed (100% ripple). A smoothed dc output (5% ripple) can be provided if specified at time of inquiry.

Protection

The ac and dc outputs are separately fused

Dimensions

460 x 386 x 275 mm (W x H x D).

Weight

30kg

Options

Variable Laboratory Supply Units can incorporate terminal posts fitted directly to the unit or multiple fused output ways. In addition, other power ratings and voltage ratios can be supplied. Free-standing and portable models can also be manufactured, incorporating an input cord and 13A plug. Bench mounting sockets are also available to order.



Wall Mounting VLSU



Free Standing VLSU