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Product Name :

Power Supply, Stepped

Product Code :

SLE/PHY/116



Description :

Power Supply, Stepped (Product Code: SLE/PHY/116) is a low-voltage AC/DC bench supply used to power electricity, magnetism and heating experiments in school and college physics labs. It gives 2–12 V AC or DC in 6 steps from a 230 V AC, 50 Hz input, with a cooling fan and built-in microprocessor overload protection. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a power supply unit for lab use in India.

Specifications

Parameter	Detail
Output	2–12 V AC/DC in 6 steps
Input	230 V AC, 50 Hz
Current	5 A
Protection	Built-in microprocessor overload protection
Cooling	Cooling fan
Dimensions (W x H x D)	180 x 110 x 145 mm
Product code	SLE/PHY/116
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Stepped Power Supply Used For?

A stepped supply gives students fixed, repeatable voltages without the risk of over-turning a knob. Typical uses include lighting lamps in series and parallel circuits, driving electromagnets and small motors, running induction and transformer demonstrations on the AC output, and powering heating coils or electrolysis cells on DC.

Start on the lowest step and increase one step at a time, switching off before changing connections. Keep the total load within the 5 A current rating, and leave space around the case so the cooling fan can draw air. If the overload protection operates, remove the fault or reduce the load before switching back on.

What to Specify When Ordering

- Whether your experiments need the AC output, the DC output or both.
- Quantity — one per bench or one per demonstration table.
- Mains supply at the destination — the unit is listed for 230 V AC, 50 Hz input.
- Connecting leads and a meter, if your laboratory does not already have them.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies the Power Supply, Stepped to schools, colleges and dealers from Ambala, Haryana, India. For vendor registration and import paperwork, the supplying company's Importer-Exporter Code is AAEC on our c

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