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Product Name :

Potentiometer Module

Product Code :

SLE/PHY/271



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Description :

Potentiometer Module (Product Code: SLE/PHY/271) is a rotary linear potentiometer mounted on a channel box, used as a variable resistor or voltage divider in student electricity practicals. This listing is the 100 ? value, with connections made to 4 mm sockets and a fast-blow fuse that protects the module when students connect it wrongly. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Component	Rotary linear potentiometer
Mounting	Channel box
Resistance value	100 ? (a choice of values is offered)
Connections	4 mm sockets
Protection	Fast-blow fuse against wrong connection by students
Product code	SLE/PHY/271
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Potentiometer Module Used For?

A potentiometer has a resistive track and a moving wiper. Connected across a supply, it works as a voltage divider that gives a smoothly adjustable output for lamp-brightness, motor-speed or diode-characteristic experiments; used with one end of the track and the wiper only, it becomes a simple variable resistor for setting the current in a series circuit. That flexibility makes the module a useful part of an Ohm law experiment kit.

The linear track means equal turns of the knob give roughly equal changes in resistance, which helps students plot tidy graphs. The 100 ? value suits low-resistance circuits in which a larger current must flow; for finer control at lower currents, compare the 1 k? module. If the module stops responding after a wiring mistake, the fast-blow fuse is the first thing to check.

What to Specify When Ordering

- Resistance value: this listing is 100 ?; the 1 k? Potentiometer Module is a separate item.
- Number of modules per bench or student group.
- 4 mm leads, meters or a power supply, if they should be quoted together.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, which manufactures the Potentiometer Module in Ambala, Haryana, India. The company manufactures this channel-box module with the rest of its electricity apparatus and quotes it to schools, colleges, dealers and importers in India and international markets. Follow-up orders for extra modu
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