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Product Name :

Resistance Box 1-5000 Ohm Range

Product Code :

SCL-347/072

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Description :

Resistance Box 1-5000 Ohm Range (Product Code: SCL-347/072) is a brass plug-type resistance box used to add known resistances of up to 5000 ohm to circuits in college and senior school physics laboratories. Its wider range suits galvanometer and voltmeter-conversion practicals where a lower-range box is not enough, with constantan coils housed in a teak wood case. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Range	1 to 5000 ohm
Type	Plug type, with brass plugs
Resistance coils	Constantan
Contact blocks	Brass, 1/2 inch
Housing	Teak wood case, deluxe quality
Product code	SCL-347/072
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the 5000 Ohm Resistance Box Used For?

The higher range is useful when a galvanometer must be converted into a voltmeter, which needs a large resistance in series with its coil, and when finding a galvanometer's resistance and figure of merit by the half-deflection method. It also serves as the known arm in bridge circuits and as a current limiter in potentiometer set-ups.

To set a value, remove the plugs whose coils add up to the resistance you need and leave the rest firmly seated. Start experiments with a high value unplugged and reduce it gradually, which protects sensitive meters from sudden large currents. It is a useful addition to the physics lab instruments in any senior practical room.

What to Specify When Ordering

- Confirm that the 1 to 5000 ohm range suits your experiments; a lower-range Resistance Box is also available.
- Quantity required per laboratory.
- Companion galvanometers, keys or potentiometers to be quoted together.

OEM Manufacturer

Jain Scientific Equipments Private Limited, whose products carry the ScienceLab name, is the original equipment manufacturer of this 1-5000 ohm resistance box. It is made at the company's own licensed factory in Ambala, Haryana. The ScienceLab name is used by the company's schools, colleges, and universities.

dealers and agents. For more information, visit our website or contact us directly.

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