Email : sales@scilabexport.com
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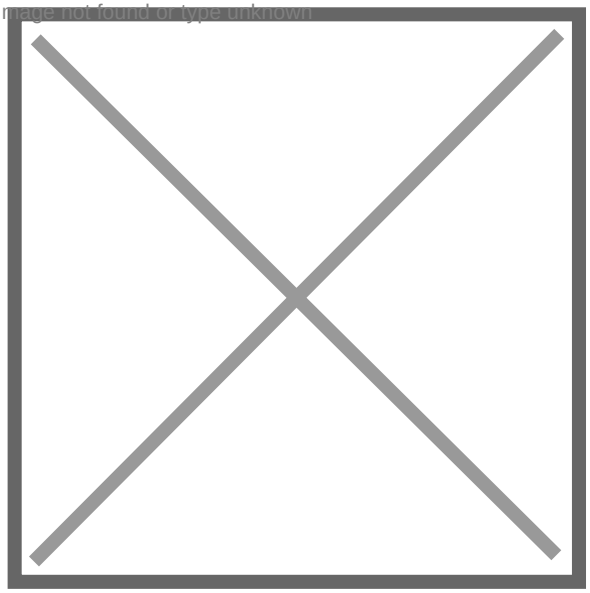
Product Name :

Resistance Box

Product Code :

SCL-345/071

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Science Lab

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Description :

Resistance Box (Product Code: SCL-345/071) is a plug-type standard resistance used to insert known values from 1 to 1000 ohm into circuits in school and college physics laboratories. Constantan coils connect across 1/2 inch brass blocks inside a teak wood case, and removing a brass plug brings the matching coil into the circuit. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Brass plug type
Range (capacity)	1 to 1000 ohm
Coils	Constantan
Blocks	1/2 inch brass blocks
Case	Teak wood (deluxe quality)
Plugs	Multiple brass plugs for selecting resistance values
Product code	SCL-345/071
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Resistance Box Used For?

A plug-type resistance box provides known resistances for circuits that measure voltage, current and resistance. In meter bridge and Wheatstone bridge experiments it forms the known arm, while in Ohm's law and potentiometer work it limits current or acts as the shunt when finding a cell's internal resistance.

Each brass plug shorts out one coil; pulling it out adds that coil's value, so the resistance in circuit is the sum of the unplugged coils. Seat plugs with a gentle twist to keep contact resistance low, and before switching on, check that the right plugs are out — with every plug inserted the box offers practically zero resistance. This makes it a basic resistance box for lab benches in India and abroad.

What to Specify When Ordering

- Range: this box covers 1 to 1000 ohm; a separate higher-range model is listed for galvanometer-conversion work.
- Quantity per laboratory or per student group.
- Companion items such as galvanometers, meter bridges or plug keys.

OEM Manufacturer

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finish
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