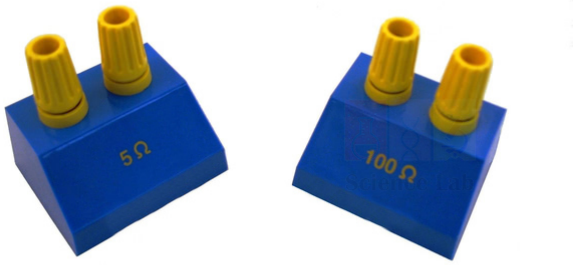
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Product Name :

Resistance Coil

Product Code :

SLE/PHY/287



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Description :

Resistance Coil (Product Code: SLE/PHY/287) is a 1 ohm resistance unit used to add a known resistance to a circuit in basic electrical experiments in schools and colleges. Instead of a bare resistor, the coil is built into a block with 4mm sockets, so students connect it quickly withstandard leads, keeping no more than 0.7 V across it. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for Ohm law experiment kits and generalcircuit work.

Specifications

Parameter	Detail
Resistance	1 ohm
Maximum voltage	0.7 V
Connections	4mm sockets
Format	Resistance unit in block form, used in place of a simple resistor
Application	Adding resistance to any circuit in basic electrical experiments
Product code	SLE/PHY/287
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Resistance Coil Used For?

A 1 ohm coil is a convenient known resistance for introductory circuit work. Students place it in series with a cell and an ammeter to see how current changes, use it with a voltmeter to confirm Ohm's law, or connect several units in series and parallel to compare combined resistance with the calculated value. Because the block takes 4mm plugs, a circuit can be built, changed and checked in minutes without soldering or loose wire ends.

A low value like 1 ohm is also useful as a current-sensing resistance: the voltage across it in volts equals the current through it in amperes. Keep the voltage across the coil to 0.7 V or less, which by Ohm's law limits the current to about 0.7 A, and switch off between readings so the coil does not warm up and drift.

What to Specify When Ordering

- Number of 1 ohm Resistance Coil units per bench or per class set.
- Whether you also need 4mm connecting leads, meters or a low-voltage supply.
- Any other resistance values your practicals call for, so we can check what else is available.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, manufactures the Resistance Coil in Ambala, Haryana, for schools, colleges, institutes and dealers. The coil can be quoted as part of a complete electricity bench, together with meters, leads and resistance boxes, which saves buyers from sourcing each part separately. Company background is on our profile page.

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