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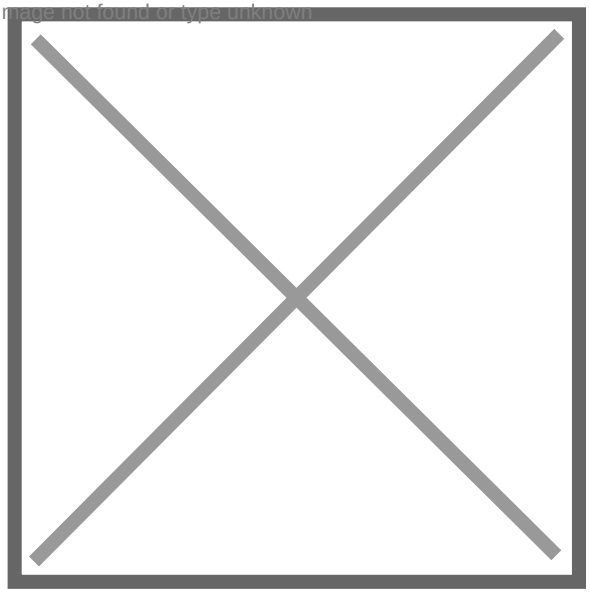
Product Name :

Galvanometer Kit

Product Code :

SCL-365/018

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Description :

Galvanometer Kit (Product Code: SCL-365/018) is a current-measurement kit built around a centre-zero DC galvanometer, used for sensitive current detection, bridge balancing and wire-resistance experiments in school and college physics labs. Its 30-0-30 galvanometer reads 20 µA per division and comes with a five-decade resistor box, a 1.5–12 V / 3 A supply and digitalmeters. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturerand laboratory instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Galvanometer	DC, 30-0-30 (centre zero), 20 µA per division
Power supply	1.5–12 V, 3 A
Resistor box	10 × 0.1 ?; 10 × 1 ?; 10 × 10 ?; 10 × 100 ?; 10 × 1000 ?
Switch	For direct current, 36 V, 0–3 A
Rheostat	22 ?, 3.3 A
Digital ammeter	0–10 A
Digital voltmeter	0–5 V
Flexible cables	4 black and 4 red, 50 cm; 4 black and 4 red, 100 cm
Wires and sockets	Four U-shaped wires and banana-type sockets
Measuring tools	Metric ruler; diameter gauge for the thickness of thin wires
Product code	SCL-365/018
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Galvanometer Kit Used For?

A centre-zero galvanometer shows both the size and the direction of a small current, which makes it the natural detector for balance methods. With the resistor box and the U-shaped wires, students can set up a Wheatstone bridge and adjust the resistances until the needle rests at zero, then calculate the unknown resistance. The digital ammeter and voltmeter, the 1.5–12 V supply and the rheostat also allow straightforward Ohm's law measurements on the same bench.

For resistivity work, students measure the length of a wire with the metric ruler and its thickness with the diameter gauge, find its resistance, and calculate resistivity from the cross-sectional area. Protect the galvanometer by starting with a high resistance in series and closing the switch only while taking a reading; if the needle swings hard against its stop, open the circuit at once. For schools buying galvanometer apparatus in India or overseas, the kit replaces several separate purchases with one coordinated set.

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