Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Potentiometer

Product Code :

SLE/PHY/74



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Phone: +91-7082934803

Description :

Potentiometer (Product Code: SLE/PHY/74) is a slide-wire potentiometer used to compare the emf of cells and measure potential differences by the null method in school and college physics laboratories. A 24 SWG constantan wire runs along a metre scale divided in cm and mm between stout plated brass end plates, and a jockey is included. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Resistance wire	24 SWG constantan
Scale	Metre scale subdivided in cm and mm
End plates	Stout plated brass, with the wire clamped to them
Terminals	Heavy-duty 4 mm socket terminals on the terminating strips
Base	Polished hardwood baseboard
Included	Jockey
Overall size	Approx. 1.13 m × 80 mm × 50 mm
Product code	SLE/PHY/74
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Slide-Wire Potentiometer Used For?

A steady driver cell connected across the wire sets up a uniform fall of potential along it. Students then use the jockey to find the balance point for a second cell or circuit, read the balancing length on the scale, and compare emfs, find the internal resistance of a cell or measure a small potential difference without drawing current at balance.

These experiments appear in most senior-secondary syllabi, which makes the potentiometer standard physics practical equipment for CBSE and state-board labs as well as first-year college courses. Press the jockey gently and lift it before moving along the wire; dragging it while pressed scratches the constantan and spoils the uniform resistance per centimetre. Keep the driver current low so the wire does not warm up during a reading.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of this potentiometer. The company makes it at its own licensed factory at Saha, Ambala, Haryana, India, rather than buying it in from a trader, and supplies it factory-direct to schools, colleges, dealers and importers. Replacement jockeys and other spares are handled by the manufacturer itself — ask us when you order. More background is on the Scien

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