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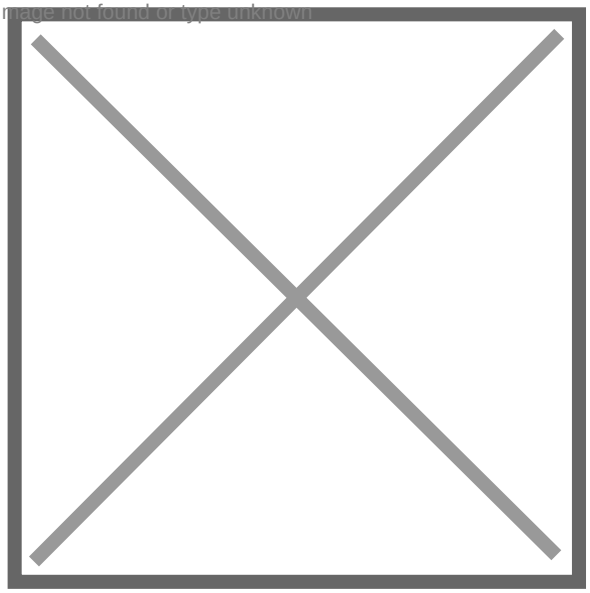
Product Name :

Wheatstone Bridge Apparatus

Product Code :

SCL-339/068

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Description :

Wheatstone Bridge Apparatus (Product Code: SCL-339/068) is a slide-wire bridge used to find an unknown resistance by balancing it against a known one in school and college physics laboratories. It has nine heavy lock-type brass terminals, removable copper binding pieces across the end gaps and a pencil jockey, so it forms a Wheatstone bridge experiment kit once a galvanometer, cell and resistance box are added. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Terminals	Nine heavy brass lock-type terminals, fitted to keep connection resistance to a minimum
End gaps	Closed by removable copper binding pieces held in position by the terminals
Bridge wire	Constantan wire stretched along the top of a wooden metre scale
Wire clamping	Securely clamped to brass end strips so that end errors are negligible
Jockey	Pencil jockey included
Base	Laminated base
Product code	SCL-339/068
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Wheatstone Bridge Used For?

The bridge compares an unknown resistance with a known value taken from a resistance box. A cell drives current through the wire, a galvanometer is connected between the junction of the two resistances and the jockey, and the jockey is moved along the wire until the galvanometer shows no deflection; at that null point, the ratio of the two wire lengths equals the ratio of the resistances.

Students also use it to find the resistivity of a wire's material and to check the laws of resistances in series and parallel. Tighten each lock-type terminal fully, press the pencil jockey lightly rather than dragging it along the wire, and choose a known resistance that brings the balance point near the middle of the scale for the best precision.

OEM Manufacturer

The Wheatstone Bridge Apparatus is an original ScienceLab product: Jain Scientific Equipments Private Limited, the company behind the ScienceLab name, is its OEM and builds it at its own licensed factory at Saha, Ambala, Haryana, India. Colleges, schools, dealers and importers are quoted directly by the manufacturer, not through a trader. If a copper binding piece or the jockey goes

ness.

Rela

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