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Product Name :

Portable Resistive Load Bank

Product Code :

SLE/EPS/10



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Description :

Portable Resistive Load Bank (Product Code: SLE/EPS/10) is a three-phase resistive loadused to draw controlled real power from generators, transformers and supply circuits duringpower systems practicals. Each of its three resistor banks is electrically separate and carries itsown thermal circuit-breaker, so students can build balanced or unbalanced star or delta loads. Itis made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering labequipment manufacturer, at its own factory in Ambala, India, within its engineering educationalequipment in India range.

Key Details

Parameter	Detail
Load type	Resistive, in three switchable banks
Housing	Robust steel enclosure
Three-phase connection	Banks electrically separate, so they connect as a star or delta load
Resistor switching	Each bank has a set of switches to bring each resistor into circuit
Overload protection	Thermally operated circuit-breaker in each bank of resistors
Terminals	Safety sockets on the enclosure front panel
Load conditions	Balanced or unbalanced resistive loads
Expansion	Combine with other similar load banks for variable power and power factor loads
Product code	SLE/EPS/10
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Resistive Load Bank Used For?

A resistive load takes current in phase with the voltage, so it absorbs real power at unity power factor and turns it into heat. That makes this unit the reference load in most power practicals: students add load resistor by resistor and record how a source’s terminal voltage, current and output change as demand rises.

Switch the three banks to different settings to create unbalanced conditions, or connect them in star or delta to compare line and phase quantities. When a non-unity power factor is needed, the resistive banks are combined with other similar load banks. Allow pauses between heavy load steps — the resistors run warm, and each bank’s thermal circuit-breaker is there to protect them.

What to Specify When Ordering

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