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Product Name :

Portable Inductive Load Bank

Product Code :

SLE/EPS/09



Science Lab

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Description :

Portable Inductive Load Bank (Product Code: SLE/EPS/09) is a switchable inductive load used to apply reactive, lagging-power-factor loads to three-phase experiment circuits in power systems laboratories. Its three electrically separate inductor banks, housed in a robust steel enclosure, connect in star or delta and switch to give balanced or unbalanced loads. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and laboratory equipment manufacturer in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Enclosure	Robust steel enclosure
Load banks	Three banks of switchable inductive loads
Bank isolation	Each bank electrically separate, for star or delta connection in three-phase circuits
Switching	Set of switches to bring each inductor into circuit
Load conditions	Balanced or unbalanced inductive loads
Protection	Thermally operated circuit-breaker protecting the inductors
Connections	Safety sockets on the enclosure front panel
Combined use	Works with other similar load banks to provide variable power and power factor loads
Product code	SLE/EPS/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Inductive Load Bank Used For?

An inductive load draws current that lags the voltage, so this unit is how students create reactive power and a lagging power factor in a controlled, repeatable way. Switching inductors into each bank, they load a generator, transformer or distribution circuit and watch how current, voltage and power factor respond.

Because the three banks are electrically separate, the same load bank serves both star-connected and delta-connected experiments, and different switch settings per bank produce the unbalanced loads needed to study phase imbalance. Paired with a resistive load bank, it forms a mixed resistive-inductive load whose power factor can be stepped up or down during a practical.

What to Specify When Ordering

- The voltage and current of the circuits it will load, so suitability can be confirmed (ratings are not listed on this page)
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