

Voltage utilized in industry are of either Resistive, Inductive or Capacitive types these provide various types of power factor and the power system behaves accordingly.

Inductive load banks provide lagging power factor, these are made by a 3phase core & with the help of wheel the Inductance is increased or decreased, each phase.

These are used to simulate industrial loads which are mostly lagging in nature.

This Model is the Industrial/Educational model suitable for demonstrating to students the complete know of the Basics, Change of Inductance measured in henry, Study of Efficiency & Maintenance of these Loads packaged in small rating.

Students can make connections of their own with the help of the terminations provided.

Technical Specs :

Power ratings available : 1KVA/2KVA/5 KVA/10KVA
Voltage Primary : 440V AC 3Phase/220V AC Single phase
Enclosed in cabinet with Wheel provided for loading/unloading, meters provided for each phase & terminations brought out on Banana terminals



List Of Experiments :

- 1) Calculation of total Inductance in Henry
- 2) Effect of Inductance on power system
- 3) Inductive load provided for Alternators & Generators
- 4) Efficiency evaluation
- 5) Study of losses
- 6) Basic Overhauling Know how

Note: Specifications are subject to change.

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