



THE LAB EQUIPMENT

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Product Name :

Distribution Trainer

Product Code :

SLE/EPS/02



Description :

- An upper panel that shows the basics of distribution.
- A lower panel that shows more advanced three-phase power distribution.
- The upper panel includes low-voltage a.c and d.c supplies, a set of lamps and variable resistances.
- The resistances simulate a feeder cable and the lamps simulate loads.
- Its primary tapings are adjustable and its secondary winding star point can be connected to earth.
- The panels include all current, voltage and power meters needed for the experiments.
- The lower panel includes connections to two three-phase transformers, lines and loads to simulate industrial power distribution.
- One transformer reduces the voltage from the incoming supply to the correct value for the experiments.
- The other transformer reduces the line voltage down to 110 V and acts as the 'line receive' transformer.
Students may connect the feeder circuit to learn the principles of ring main and radial circuits.
- The low-voltage a.c supplies may be connected to show the principles of regulation.

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