

IPC EDUCATIONAL TRAINERS

TRANSFORMER TRAINER



List of Experiments:-

- 1- To find the transformation ratio of a transformer by watt meter method.
- 2- To find the transformation ratio of a transformer on load by the ampere meter method.
- 3- Polarity test of transformer.
- 4- To determine the iron loss current, no-load current, power factor on no-load & magnetizing current.
- 5- Study of transformer on no-load & on load conditions.
- 6- To find the current losses of a transformer by short circuit test.
- 7- To find the iron losses of a transformer.
- 8- To find the efficiency of a transformer by direct loading (Resistive).
- 9- To determine the efficiency of a transformer by direct loading (Inductive load)
- 10- To determine the efficiency of a transformer by back to back test.
- 11- To determine the regulation of a transformer with resistive load.
- 12- To determine the regulation of a transformer having inductive load.
- 13- To use three single phase transformer as star to star connected three phase transformer.
- 14- To use three single phase transformer as star to delta connected three phase transformer.
- 15- To use three single phase transformer as delta to delta connected three phase transformer.
- 16- To use three single phase transformer as delta to star connected three phase transformer.
- 17- To use two single phase transformer as V-connected three phase transformer (open delta connection).

Optional Load Banks.

- 1- Resistive load bank
- 2- Inductive load bank

Note: - we reserve the right to change the shape & design of the trainer without prior notice.
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