



OMEGA TYPE 20 004 Sumpner's Test of Two Single Phase Transformers is extensively designed to explain the basic concepts of Sumpner's test. The Students can be made familiar with the significance of conducting the heat run test with two single phase transformers and also to determine the efficiency and voltage regulation. Besides above one can also learn phenomenon of polarity. The Training Board provides basic concepts and functioning of tests conducted on single phase transformers. The unit is designed in such a way that one can easily learn each test in prope sequence.

OBJECT

- 01 Study of Polarity Test with Two Single Phase Transformers
- 02 To study the rise in temperature of the winding of the transformer with time.
- 03 Study of Sumpner's Test with using Open Circuit Test, Short Circuit Test and Determination of the Efficiency and Voltage Regulation of Two Single Phase Transformers.

FEATURES

- 01 Two Identical Single Phase Transformer
- 02 Inbuilt Single Phase Variac
- 03 Equipped with supply indication lamps
- 04 Diagrammatic representation for the ease of connections
- 05 Exclusive and Compact design
- 06 Designed by considering all the safety precautions
- 07 Microcontroller based LED used to display rising temperature

TECHNICAL SPECIFICATIONS

The board consists of the following built-in-parts:

- 01 Microcontroller based LED used to display rising up to 199.9^o temperature
- 02 Digital AC Voltmeter 0-200V
- 03 Digital AC Voltmeter 0-500V
- 04 Digital AC Ammeter 0-10Amp.
- 05 Digital AC Ammeter 0-2Amp.
- 06 Digital Wattmeter single phase, current coil 0.5 Amp. potential coil 250 Volt Total 125Watt
- 07 Digital Wattmeter single phase, current coil 5 Amp. potential coil 250Volt Total 1250Watt
- 08 Auto transformer input 230V, O/P 0-270V at 6Amp.
- 09 The unit is operative on 230V \pm 10% at 50Hz AC.
- 10 Single Phase Transformers (2 Nos.)
Rating : 1 KVA
Primary Voltage : 0 - 125V, 0 - 125V
Secondary Voltage : 0 - 125 V, 0 - 125 V
- 11 MCB : 10 A
- 12 Weight : 56 Kg. (Approx.)
- 13 Dimensions : L600 X H450 X D350mm

LIST OF ACCESSORIES:

- 01 Shrouded Patch cord 4mm length 50cm.....17

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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