



OMEGA TYPE PET-454 Power Electronic Training Board has been designed specifically to study the working and application of instrument transformer. Measurement of power using Current and Potential Transformers. The setup consists of current Transformer, Potential Transformer, Ammeter, Voltmeter, Watt meter, Variac and Actual Load.

Practical experience on this setup carries great educative value for Science and Engineering Students.

OBJECT

To study an instrument transformers.

- 01 Measurement of Current using C.T.
- 02 Measurement of Voltage using P.T.
- 03 Measurement of Power using C.T. & P.T.

FEATURE

The board consist of following built in parts :

- 01 Current Transformer (CT) ratio 10 : 1.
- 02 Potential Transformer (PT) ratio 10 : 5.
- 03 Two digital AC voltmeter 3½ digit seven segment display. To read 1000V ac and 200V ac.
- 04 Two digital AC ammeter 3½ digit seven segment display. To read amp. ac and 200mA ac.

- 05 Digital low power factor watt meter single phase single element two wire normal input 230 V (0 - 120%) of normal input current (0 - 0.5 Amp) (0 - 125%)
 - 06 Actual load 300Watt (Three 100 Watt Bulbs and Three switches)
 - 07 The unit operate on 230V AC ±10% at 50Hz.
 - 08 Mains ON/OFF Switch, Fuse and jewel light.
 - 09 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
 - 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design Procedures, Report Suggestions and Book References.
 - 12 Weight : 5Kg. (Approx.)
 - 13 Dimension : W 415 x H 165 x D 315
- OTHER APPARATUS REQUIRED :**
- 01 Single Phase Variac Input 0-230V Output 0-270V at 2Amp

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

OMEGA ELECTRONICS

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