

**DETERMINATION OF FUSING  
CHARACTERISTICS AND FUSING FACTOR  
OF GIVEN FUSE  
OMEGA TYPE PET-456**



**OMEGA TYPE PET-456** Power Electronic Training Board has been designed specifically to determine the fusing characteristics and fusing factor of a given fuse.

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

**OBJECT**

- 01 To draw a graph between fusing time and fusing current of a given fuse.
- 02 To determine the fusing factor.
- 03 To verify that fuses have inverse time characteristics.

**FEATURE**

The experimental set-up consists of the following :

- 01 One Inbuilt variac of input 230 V AC and output of 0 to 270 V at 2 Amp.
- 02 Digital meter to read 20/200 Amp AC.
- 03 Fuse wire : 01 Copper  
02 Tinned copper

- 04 Digital Stop Clock : OMEGA TYPE DSC-602 With START/STOP operation by means of toggle switch & RESET by a push button switch. It has a range of 999.9 seconds with resolution of 0.1 seconds and accuracy of  $\pm 0.01\%$  (Quartz controlled). Display is thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is 230VAC  $\pm 10\%$  at 50Hz.

- 05 Transformer output : 2.25 V at 200 Amp.
- 06 Mains ON/OFF Switch, Fuse and Jewel light.
- 07 The Unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 08 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 09 Weight : 13.300 Kg. (Approx.)
- 10 Dimension : W 415 x H 165 x D 315 (mm)

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

**OMEGA ELECTRONICS**