



**36398** Experimental Set Up has been designed specifically to construct a time switch and study the dependence of its time constant on various factors

The set-up is absolutely self-contained and requires no other apparatus.

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

### Object

01. To construct a time switch and study the dependence of its time constant on various factors

### Features

The Experiment set-up consists of the following:

01. DIGITAL STOP CLOCK : 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  $230V \pm 10\%$  50Hz
02. Regulated Power Supply with low ripple 6V at 50 mA
03. Transistor, Diode
04. Four Resistors
05. Three Capacitors
06. Relay 6V DC
07. LED
08. Switch SPST 2A
09. Mains ON/OFF switch, Fuse and Jewel light.
10. The unit is operative on  $230V \pm 10\%$  at 50Hz A.C. Mains.
11. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
12. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
13. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
14. Weight : 1.5 Kg. (Approx.)
15. Dimension : W 340 x H125 x D 210

Note: Specifications are subject to change.

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