



55821 Experimental Set Up has been designed specifically for determination of Heat capacity of Solids. The experimental set-up is self contained and require no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

#### OBJECT

To determine Heat Capacity of solids.

#### FEATURES

- 01 One board consisting of the following built in parts :
  - 1.1 Amplifier with digital display assembly with Power Supply.
  - 1.2 Current source 0-500mA for heater coil.
  - 1.3 Digital Ammeter, 3½ digits having range 2 Amp. D.C.
- 02 Oven.
- 03 Samples : Test sample - Brass, Standard sample - Aluminium
- 04 Iron constantan unijunction thermocouple.
- 05 Beaker : 250ml
- 06 Thermometer : 110°C x ½
- 07 DIGITALSTOP 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 ±0.01% (Quartz controlled). Display is through 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is 230V ± 10% 50Hz.
- 08 The unit is operative on 230V ± 10% at 50Hz A.C. Mains.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 3.5 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

#### LIST OF ACCESSORIES:

- 01 Patch Cords 4mm plug length 50cm Red.....01
- 02 Patch Cords 4mm plug length 50cm Black.....01
- 03 Thermometer 110°C-01.....01

Note: Specifications are subject to change.

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