



55727 Experimental Set Up has been designed specifically To determine Mechanical equivalent of heat by "J" Callendar and Barne's method
Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

01 To determine Mechanical equivalent of heat by "J" Callendar and Barne's method

FEATURES

The Set up consists of the following :

- 01 Callendar and Barne's apparatus with Constant level bath & stand.
- 02 Battery Eliminator, 2-12V D.C. in steps/variable at 4A, IC regulated and short circuit protected.
- 03 D.C. Ammeter, 65mm round dial, mounted on bakelite stand, to read 0-3A.
- 04 D.C. Voltmeter, 65mm round dial, mounted on bakelite stand, to read 0-15V.
- 05 Weight : 9.6 Kg. (Approx.)
- 06 Adequate no. of connecting wires, 100cm long.
- 07 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

OTHER APPARATUS REQUIRED:

- 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 Physical Balance with weight box
- 03 Two thermometers 100°C x 1/10°
- 04 Beaker, rubber tubing etc.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in