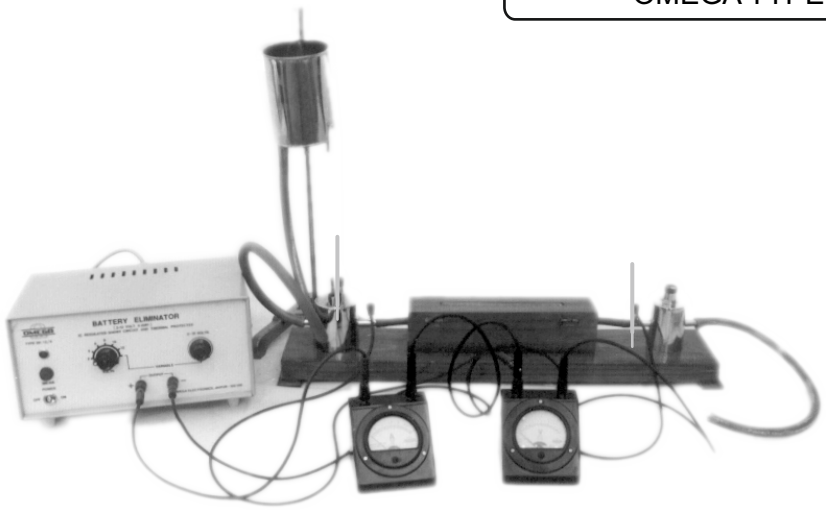
OMEGA®

A SIGN OF QUALITY PRODUCT

DETERMINATION OF (MECHANICAL EQUIVALENT OF HEAT) "J" BY CALLENDAR AND BARNE'S METHOD

OMEGA TYPE ES-227



OMEGA TYPE ES-227 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 OMEGA TYPE BE-12/4.

03 D.C. Ammeter, 65mm round dial, mounted on bakelite stand, to read 0-3A
OMEGA TYPE MO-65.

04 D.C. Voltmeter, 65mm round dial, mounted on bakelite stand, to read 0-15V
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05 Two thermometers 100°C x 1/10°

06 Beaker, rubber tubing etc.

07 Adequate no. of connecting wires, 100cm long.

08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

09 Weight : 9.6 Kg. (Approx.)

OTHER APPARATUS REQUIRED:

01 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 ±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± 10% 50Hz

02 Physical Balance with weight box

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