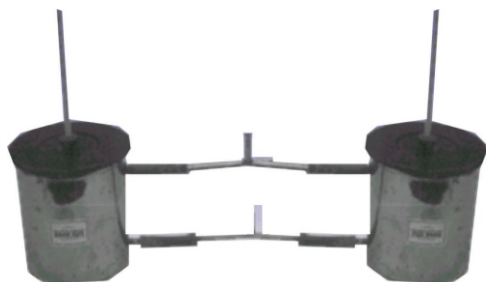


**DETERMINATION OF SPECIFIC
HEAT OF A GIVEN LIQUID BY
NEWTON'S LAW OF COOLING
OMEGA TYPE ES-296**



OMEGA TYPE ES-296 Experimental Set-Up has been designed specifically to determine specific heat of a liquid by the method of Newton's law of cooling..

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

OBJECT

To determine Specific Heat of a given liquid by the method of Newton's law of cooling.

FEATURES

The complete Experimental Set-up consists of the followings:

01. NEWTON'S LAW OF COOLING APPARATUS : It consist of two units each having a double walled joint less brass vessel richly nickle plated APPARATUS highly polished with non conduction cover through which is suspended. A Copper calorimeter approxmately size of 7.5 x 5 Cm. A second covering protects top of the calorimeter from dust & heat losses. The spaces between the double walled vessel are connected by T tubes which enable water at same temperature to be kept circulating through them.

02 THERMOMETER : 110°C x ½. (2 nos.)

03 DIGITAL STOP CLOCK : With START/STOP operation by means of toggle switch & RESET by a push button switch.

OMEGA TYPE DSC-602 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.

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

OTHER APPARATUS REQUIRED :

- 01 Physical balance with weight box.
- 02 Liquid.

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

OMEGA ELECTRONICS