



55795 Experimental Set-Up has been designed specifically to verify Newton's law of cooling by drawing a cooling curve for the liquid.

The set-up is complete in all respects and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

To verify Newton's law of cooling by drawing a cooling curve for the liquid.

FEATURES

The complete Experimental Set-up consists of the followings :

01 NEWTON'S LAW OF COOLING APPARATUS

Joule's Calorimeter consisting of Copper Calorimeter fitted in teakwood polished case with bakelite top having holes for thermometer & stirrer, two terminals connected to a coil of wire.

02 THERMOMETER : $110^{\circ}\text{C} \times \frac{1}{2}$.

03 0-5V D.C. at 3A, continuously variable regulated and short circuit protected Battery Eliminator

04 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 $\pm 0.01\%$ (Quartz controlled). Display is thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is $230\text{V} \pm 10\%$ 50Hz.

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

Note: Specifications are subject to change.

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