OMEGA®

A SIGN OF QUALITY PRODUCT

MEASUREMENT OF E.M.F. WITH THERMOCOUPLE USING DIGITAL D.C. MICROVOLTMETER AND SAND BATH

OMEGA TYPE MCH-14

OMEGA TYPE MCH-14 Experimental Set Up has been designed specifically for the Measurement of e.m.f. with Thermocouple Using Digital D.C. Micro voltmeter and Sand Bath. The aims are to plot thermos emf versus temperature graph and to find the melting point of Paraffin Wax using digital D.C. micro voltmeter and sand bath.

OBJECT

01 Study of a thermocouple and plot a graph between thermos emf and temperature of hot junction.

02 Determine the melting point of Paraffin Wax.

FEATURES

The Set up consists of the following :

01 Digital D.C. Micro voltmeter is very versatile multipurpose instrument for the measurement of low dc voltage. It has 5 decade ranges from 1mV to 10V with 100% over-ranging. For better accuracy and convenience, readings are directly obtained on 3½ digit LED display. IC amplifier used offers exceptionally low offset voltage and input bias parameters, combined with excellent speed characteristics OMEGA TYPE DMV-022 with UHF lead 12" with Crocodile clip.

02 A Copper-Constantan Thermocouple.

03 Retort stand with ring.

04 Thermometer 0-360°C

05 Sand bath

06 Beaker 250 ml

07 Funnel 4”

08 Tripod stand

09 Test Tube 1”

10 Glycerine

11 Paraffin Wax.

12 Wooden stand.

13 Strongly supported by detailed Operating Instructions.

14 Weight : 3 Kg.(Approx.)

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