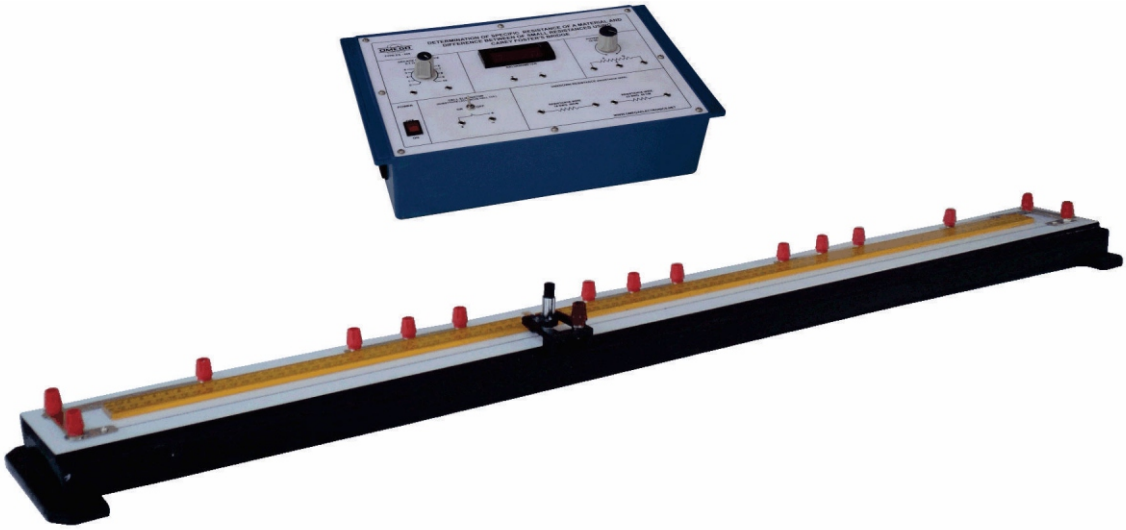
OMEGA®

A SIGN OF QUALITY PRODUCT

DETERMINATION OF SPECIFIC RESISTANCE OF A MATERIAL AND DIFFERENCE BETWEEN TO SMALL RESISTANCES USING CAREY FOSTER'S BRIDGE

OMEGA TYPE ES-225



OMEGA TYPE ES-225 Experimental Set Up has been designed specifically to determine the resistance per unit length of Carey Foster's Bridge wire, the difference between two small resistances and the specific resistance of the material of a wire using Carey Foster's Bridge. The set up is absolutely self contained and requires no other apparatus.

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

OBJECT

01 Determination of the resistance per unit length of a Carey Foster's Bridge.

02 Determination of difference between two small resistence using Carey Foster's Bridge.

03 Determination of specific resistance of the material of a wire using Carey Foster's Bridge.

FEATURES

01 The board consists of the following :

1.1 Decade Resistance in ten step 0.1 ohms, Total Resistance 1 ohms.

1.2 Digital Galvanometer

1.3 Wire wound potentiometer mounted with three sockets in place of Rheostat 10E 1W

1.4 Cell Eliminator with switch voltage1V5 substitute Leclanche Cell.

1.5 Unknown resistance wire of two different gauges each of 50cm

02 Carey Foster's Bridge - Four gaps, Sunmica top with sliding jockey OMEGA TYPE CFB-182.

03 Weight : 3.5 Kg. (Approx.)

04 Adequate no. of connecting wires, 50cm long.

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

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