ELECTRICAL BRIDGES

MARS

Weins Bridge (Frequency Measurement)

ME 2206

- To calculate the unknown value of Frequency.

Technical Specifications

- Panel with two ratio dial with ranges X1 ,10 ,100 ,1000 marked with R3 & R4.
- Two decade dials X0.01,0.1µF for capacitance marked C1.
- Three decade dials X10, 100, 1000 marked R1.
- Three decade dials X1, 10, 100 marked R2.
- Terminals are provided for capacitance C2, AC Supply, detector as head phone/CRO.

Optional Accessories

1) Decade Capacitance Box with Multi Range Sine Wave Oscillator (ME -2200C)
2) Sensitive Head phone(ME -2219)

Wheatstone Bridge (Portable)

ME 2207

- To calculate the unknown value of resistance.

Technical Specifications

- Series Arm : Four decade dial in steps of 1000 , 100 , 10 , 1 .
- Ratio Arm : The ratio arm of bridge are capable of Selecting multiplying factor of 0.001, 0.01, 0.1, 1, 10, 100,1000 for resistance measurement & varley loop test & ratio M10, M100, M 1 0 0 0 for Murray loop test.
- One selectable switch with option for Murray (M) loop & For resistance/ Varley (VR) loop test.
- One galvanometer fitted inside the box with option of external or internal galvanometer with terminal .
- Two press keys provided marked as initial & final.
- Two toggle switches are provided one for internal or external battery and other for direct or shunted sensitivity of galvanometer.

Optional Accessories

Metal Film Resistance of 0.5 Watt in wooden/Bakelite Box (ME -336)

Desauty Bridge

ME 2208

- To calculate the unknown value of capacitance.

Technical Specifications

- Panel with one decade dial X 0. 1uFmarked 'C1'.
- Three decade dials X 10 , 100 , 1000 marked 'R1'.
- Three decade dials X 10 , 100 , 1000 marked 'R2'.
- Terminals provided for connection of Ac supply / oscillator, head phone/CRO as detector and Unknown capacitor marked as C2.

Optional Accessories

1) Decade Capacitance Box with Sine Wave Oscillator & Inductance(ME -2200A)
2) Sensitive Head phone(ME -2219)