Anderson Bridge

Product Categories: General Physics
Product Tags: electronics, physics lab instruments
Product Page: https://www.labappara.com/product/anderson-bridge/

Product Description

Anderson Bridge - Physics Laboratory Equipment
Aim To determine the self inductance of the coil (L) using Anderson's bridge. To calculate the value of inductive reactance (XL) of the coil at a particular frequency.
Anderson Bridge for measurement of inductance in terms of capacity and resistance.
Ratio dials each having resistance 10, 100 , 1000 ohms.
Decade dials of x 10, x 100, and x 1000 ohms.
Decade dials of above for inductance ohms.
Decade dials of x.1, x 1, and x 10 ohms.
A buzzer is provided for the source of A.C supply.
Anderson Bridge with constant coils.
Anderson Bridge with Manganian coils.
Features:
Easy to use
Low maintenance
Outstanding performance
Compact design
Rust proof

Main Features of the Bridge:

R - 3 decade resistance dials having value from 1 ohm to 1 K ohm
R 3 decade resistance dials having value from 10 ohm to 10 K ohm
C1 - 2 fixed Standard Capacitors having values 0.1 mfd and 0.2 mfd
P = Q - Fixed Standard values of 1000 ohms each
S - Single decade resistance dial having values from 0.1 ohm to 1 ohm
L - Three unknown Inductances are also provided
Inbuilt A.C supply of frequency 1 KHz, D.C supply of 3 volts and Digital Null Detector for DC & AC balance is provided.
6 interconnection Leads with 4 mm banana plugs, 3 unknown Inductances are provided on board. Comprehensive User Manual will explain required results