

Portable Wheatstone Bridge



Product Categories: [General Physics](#)

Product Tags: [electronics](#), [physics lab instruments](#)

Product Page: <https://www.labappara.com/product/portable-wheatstone-bridge/>

Product Description

Portable Wheatstone Bridge - Physics Laboratory Equipment

Portable Wheatstone Bridge designed to provide an accurate and sensitive instrument for measurement of resistance and location fault in cables by adopting the Murray or overlay loop circuit for tests

Range : 0.01 ohms to 11.11 mega ohms.

With constant coils , accuracy $\pm 1\%$

With Manganian coils , accuracy $\pm 0.2\%$

This Bridge is fully portable with a built in sensitive Galvanometer and a dry battery.

Series Arm: There are 4 decades of 10×1 , 10×10 , 10×100 and 10×1000 ohms

Range Multipliers: A single rotary switch furnishes 7 range multipliers of X1000, X100, X10, X1, X0.1, X0.01 and X0.001.

Battery: A built-in dry battery of 4.5 volts. There is a provision for using external battery for measuring high resistances.

Galvanometer: Galvanometer of Model MO 65 with sensitivity 10 microamperes/div. is used.

Push Buttons: Two push buttons for battery and galvanometer are provided.

Accuracy: Both series and ratio coils are adjusted to an accuracy of better than 0.05%. Overall Accuracy of measurements is better than $\pm 0.1\%$.

Description:

a-With Constant Coil Accuracy $\pm 0.1\%$.

b- With Manganin Coil Accuracy $\pm 0.02\%$.

Features: -

Robust construction

Long service life

Excellent performance

Sturdy design

Excellent quality

Highly durable