

Product Name :
Kelvin Double Bridge**Product Code :**
EELELABT10022 LAB ENGINEERING**Description :**

Kelvin Double Bridge

Technical Specification :

Standard Resistance in steps of 0.01 ohm in series with a calibrated slidewires

100 divisions equal to 0.01, ohms Rotary type multiplier switch 0.01,

0.1, 1, 10 and 100 gives a range of measurement 0.000001 to 1.1 ohm.

Industrial Kelvin Double Bridge:

Standard resistance :

There are 10 coils of 0.01 ohm each arranged on rotary dial plus a circular slidewire of total resistance 0.01 ohm and 500 sub divisions. Each sub-division is equal to 0.00002 ohms on the normal range.

Conductivity attachment :-

It is an arrangement to hold Specimens in the form of wires rods, strips etc. Distance between potential points is 500 mms, potential terminals are provided.

Multiplying Ratio :-

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- A single rotary switch furnishes 3 multiplying ratios of $\times 1$, $\times 0.1$ and $\times 0.01$

Range of Measurement :-

- 1 to 0.00001 ohms on different ranges.
- Maximum Current : 2 amperes
- Panel :- A backlite panel enclosed in a teak wood box is used, Separate current and potential terminals, battery and galvanometer terminals, push buttons for battery and galvanometer are provided on the panel.
- Accuracy :- $\pm 0.1\%$
- Coils :- Manganin Coils are used

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