

POST OFFICE BOX (DIAL TYPE)

OMEGA TYPE POB-180



OMEGA TYPE POB-180 Dial Type Post Office Box is a precision instrument intended for general laboratory use. In this POB-180, the resistance are arranged such that these can be grouped into three branches which forms the three arms of a Wheatstone's Bridge, the fourth arm can be formed by connecting the unknown resistance across the terminals marked "UNKNOWN". The basic Wheat Stone's Bridge circuit is also shown on the panel for easy understanding.

The Dial Type P.O. Box is much reliable and easier to operate in comparison to plug-in type P.O.Box. Because in plug-in type the keys are to be cleaned time-to-time and while inserting the key into the slots one has to be careful about the tight connection.

This uses one percent precision high stability cracked carbon resistors of one watt rating. The resistors used are non-inductive and non-capacitive.

The instrument is sturdy in construction and is housed in a sunmica finished wooden box, with processed silver grey panel. This Post Office Box will be useful for Science & Engineering students.

With the help of this instrument one can do any experiment based on

P.O.Box. For example :

- 01 Unknown resistance & specific resistance of a wire.
- 02 Internal resistance of a cell.
- 03 Resistance of a Galvanometer etc.

FEATURES

The unit consists of the following built in parts :

- 01 Four series dials of units, tens, hundreds and thousands.
- 02 Two ratio arm dials each having connection for 1, 10, 100 and 1000 ohms.
- 03 Terminals for connecting the Galvanometer and battery externally.
- 04 Range of measurement from 0.001 ohms to 1111000 ohms.
- 05 Resistance of 1Watt each, with accuracy of $\pm 1\%$.
- 06 Two push to ON switches with two terminals each for easy connections.
- 07 Set of Patch Cords.
- 08 Strongly supported by a well described and illustrated Manual which guide student in the experiment.
- 09 Weight : 2.400 Kg. approx.
- 10 Dimensions : W 340 x D 210 x H 125mm

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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