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DEMONSTRATION METER INTERSCALE

CAT NO. PH1116



Experiment Guide

DEMONSTRATION METER - INTERSCALE

The demonstration meter is used to demonstrate the working principle of AC and DC Ammeter, Voltmeter and Galvanometer with the help of interchangeable plastic scales. A magnetically damped spring controlled moving coil movement is housed in a plastic case with glass front and rear panel. A pair of 4mm socket terminals given on the right side to apply voltage and current. A special locking arrangement, a center/side zero adjustment control is given on the left side with the help of two knobs. The interchangeable scales are boldly marked on both sides enabling the glass to view from the front and the demonstrator from the rear. Each scale is fitted through a slot on the right side of the case and has a plug connector which also serves to locate and align the scale positively in position.

TECHNICAL SPECIFICATIONS

Basic Movement	: 5mA - 100mV FSD
Scale Length	: 200mm approx.
Accuracy	: $\pm 2.5\%$ FSD
Dimensions	: 300x150x300mm approx.
Weight	: 2kg. approx.

SPECIAL FEATURES

1. Scales can be easily changed.
2. Special locking system is provided to lock the pointer to avoid damage in transit.
3. Adjustment of basic movement is possible from right side of the meter with two separate adjusting screws behind the sticker of 5mA and 100mV. Re-calibration of basic movement as per standard sources can be done if the meter does not show proper range.

PRECAUTIONS

1. The demonstration meter pointer should be in lock position, before and after use, otherwise meter can be damage.
2. Set the selection range, according to the measuring source to avoid damage.
3. When working is off, the meter should always be in lock position.

Manufactured by :


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