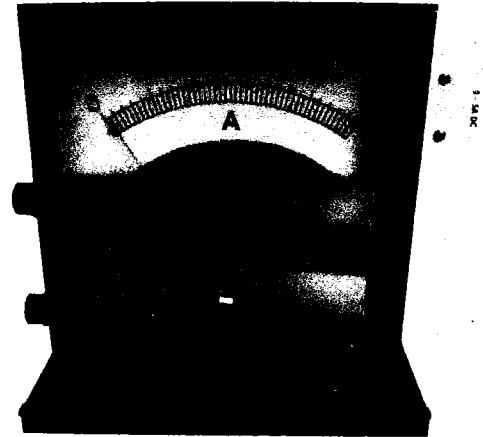


PARTS LIST

1. One Plastic Meter Case
2. 15 Interchangeable Dials
3. Instructions

OTHER ITEMS REQUIRED

1. Connecting Leads
2. Power Source



A versatile instrument and demonstration meter that can be converted to a DC or AC ammeter or voltmeter by using required range dials which can be fitted through a slot in the side of the meter case. The meter used is high quality moving coil-having sensitivity of 5mA or 100mV DC. The long pointer has a spade end and is clearly visible from a distance. Two safety sockets are provided for input to be measured with proper polarity indication. The right hand side of meter shows two safety sockets one is red and other is black for input to measure the voltage or current. (AC/DC)

INTER CHANGEABLE SCALES

Each plastic scale having sealed molded box at one end, which contains the shunt or voltage multiplier appropriate to the scale.

AMMETER

We can measure amperes in this meter either DC or AC as per need. Insert required scale inside slot of the meter. Connect the meter input sockets in series of load to be measured with proper polarity. Note the reading accordingly. Working of ammeter DC or AC can be demonstrated to the students using a rheostat in series with demonstration meter and suitable source with proper polarity.

VOLTMETER

We can also measure volts in this meter either DC or AC as per requirement. Insert the required scale in the side slot of the meter and connect the voltage source to be measured to the meter input sockets with proper polarity. Note the readings accordingly. Working of voltmeter DC or AC can be demonstrated to the students using a source connected to the meter input sockets with proper polarity.

ZERO ADJUSTMENT

Demonstration meter shows left hand side two knobs. One is for locking or unlocking the needle i.e. press and rotate clamp free and other is for zero adjust i.e. rotate to zero adjust.

SENSITIVITY CORRECTION

The sticker marked 5mA & 100mV is the basic sensitivity of the meter. This sensitivity is preset, however, if the demonstration meter doesn't show proper reading. This means the basic sensitivity is not properly set and has to be reset. The sensitivity can be checked and reset using DC source abs 5mA & 100mV DC sales. Any variation can be adjusted by simple adjusting the two variable potentiometers fitted.