

Manual for the Student Voltmeter



Operation

Measuring voltage with voltmeter.

1. Set the selection switch for AC or DC voltage.
2. Select range. For both AC and DC measurements voltage may be measured in one of the three ranges; 3, 15 and 30 V. The range is selected by plugging the test into the appropriate input terminal.

NB:

To protect the meter, always choose a range that is higher than the highest voltage you might expect in the circuit.

3. Attach the leads to the circuit points between which you wish to measure the voltage.

NB:

For DC measurements the input must be made such that the more negative voltage point is connected to the black (COM.) connector on the voltmeter.

The voltage may now be read on the meter with a full swing of the needle corresponding to the chosen range selection. E.g. on the 3 volt range, a reading of 20 on the upper meter scale indicates a voltage of 20 V.

Specifications:

Range (AC and DC):	0 - 3,0 - 15 and 0-30 V
Accuracy:	$\pm 2\%$ of full scale.
Scale length:	6.2 cm
Sensitivity:	10 K Ω /V