

TEST EQUIPMENT

Multimeters

There are two types of multimeter used for testing circuits and components.

1. Analogue meter
2. Digital meter

Both meters will normally measure voltage, current and resistance on a range of scales.



Analogue



Digital

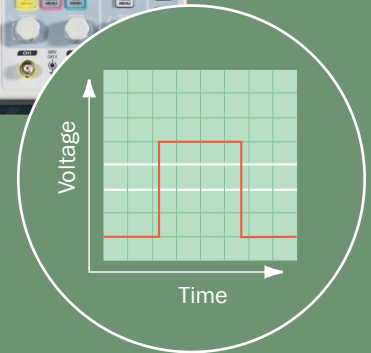
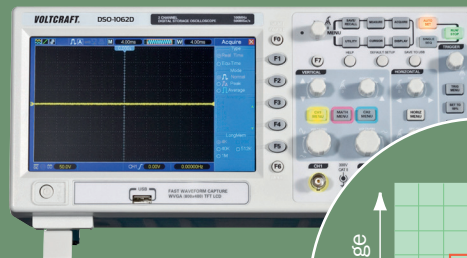
Analogue meters are very useful for looking at rapid changes in a circuit like a series of voltage pulses.

A digital meter is better suited for reading precise values that might be difficult to read from an analogue scale.

Oscilloscope

An oscilloscope is a useful piece of test equipment that allows us to see the visual pattern a circuit is producing.

The oscilloscope will display this pattern on screen as a graph of voltage against time (V/t).



It is also possible to adjust the scale on which the electrical pattern is viewed.

Many oscilloscopes have the facility to view two signals at the same time. These are called dual channel oscilloscopes.