

## Introduction

Measuring instruments make our lives easier and these instruments are important in the workplace, especially for the accuracy of data. Different measuring instruments are used to measure different quantities. Since we cannot see or read the voltage or current in a circuit, engineers decided to implement measuring instruments that can tell what is going on in a circuit or any other electronic item. Instruments measuring quantities such as current, resistance, or current are known as basic electronic measuring instruments. Instruments that are made need to adapt to the Circuit are the object that they will be working on this is important so that the reading or the result that the electrical object should give doesn't get affected by the instrument.

## Multimeter

A multimeter is an electronic measuring device and this measuring device can measure multiple electrical properties. A multimeter can measure voltage and resistance current. The multimeter is also known as a volt-ohm-milliammeter, in most cases, a voltmeter is used to measure voltage and the unit for this is known as volts, eg 15 volts. Current is measured with an ammeter and the unit for this is amps or milliamps while resistance is measured with an ohmmeter and the unit to represent resistance is ohms or m. Since the multimeter measures all three features, the units are used in the name volt-ohm-milliammeter.

## Parts of a multimeter

Buttons: used for selecting various functions

Display: this is where measurements results can be viewed by the user