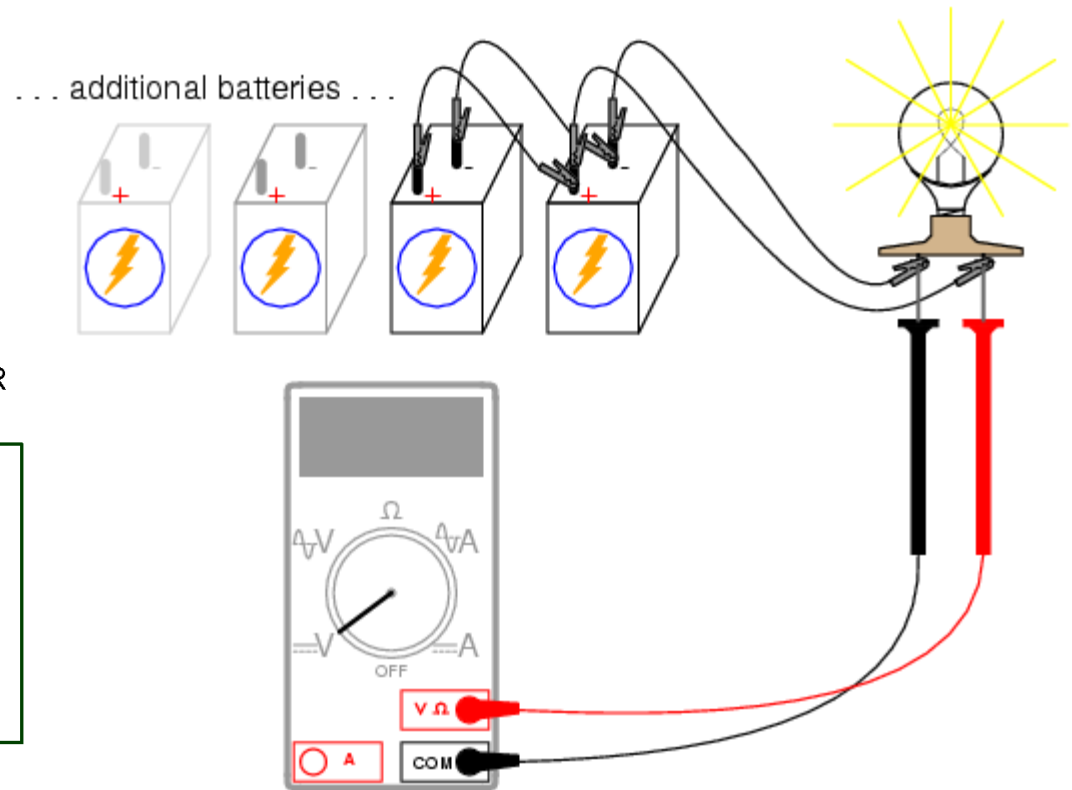
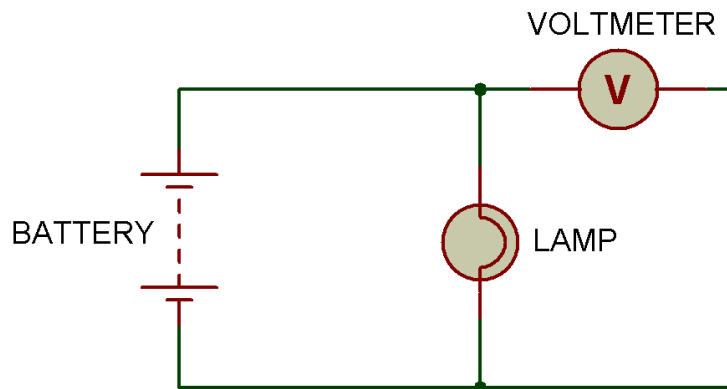


Measuring Voltage

Instrument used: Voltmeter

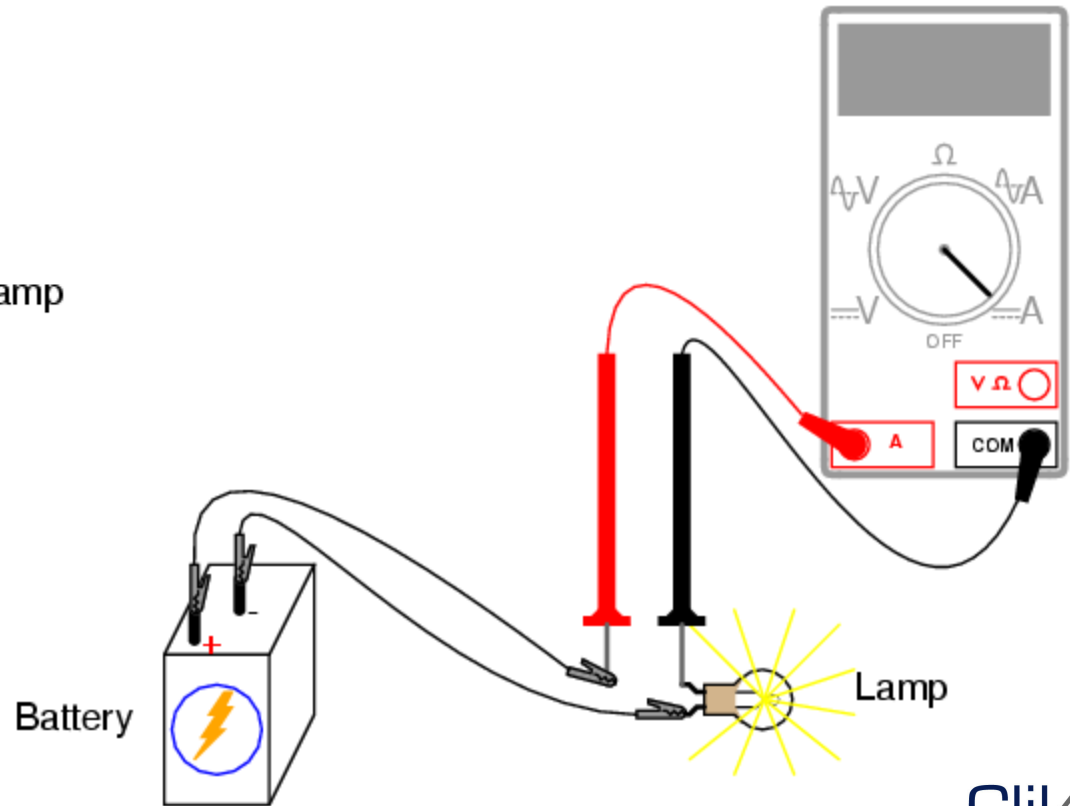
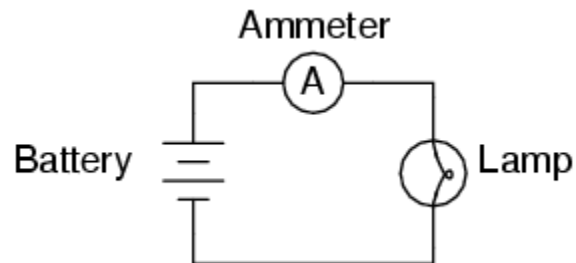
Connection: In Parallel



Measuring Current

Instrument used: Ammeter

Connection: In Series



Measuring High Currents

Instrument used: Clamp Ammeter

Connection: Clamped around wire

- No breaking of circuit necessary.
- No insulation has to be removed.
- Meter picks up magnetic field around wire which is proportional to current flow



Measuring Resistance

Instrument used: Ohm-meter

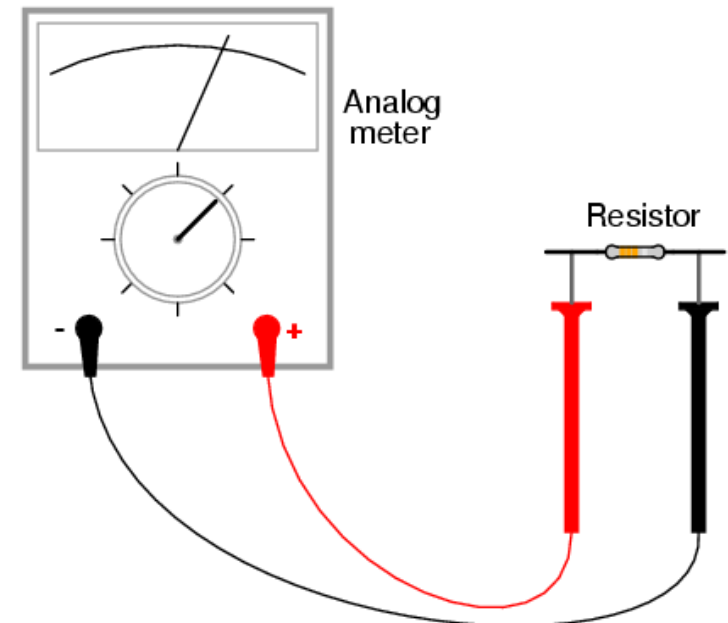
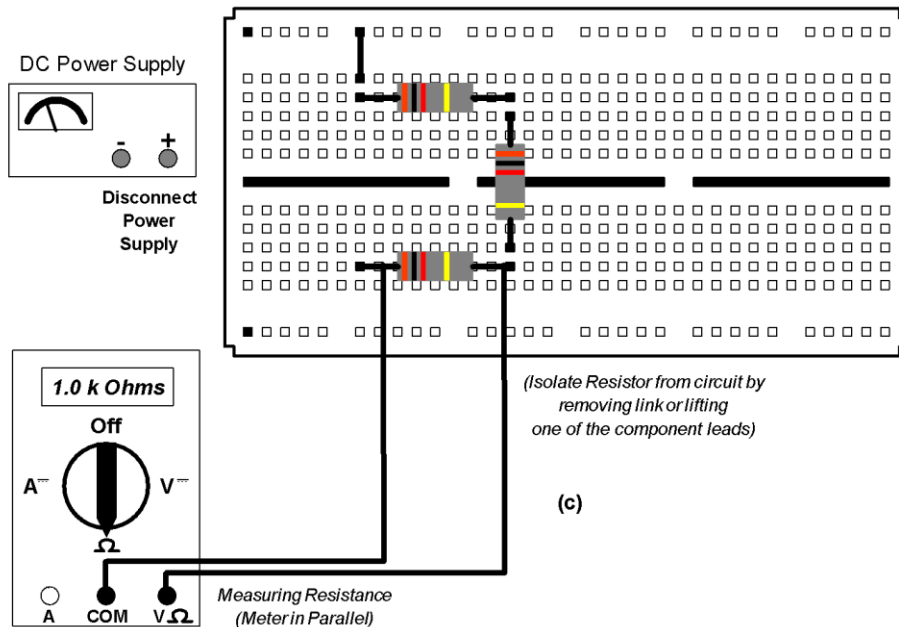
Connection: In Parallel

Special precautions:

Do not touch leads with hands

Switch off and disconnect power supply

Remove resistance from circuit



Multimeter

Instrument which can be used
as:

Voltmeter

Ammeter

Ohm-meter

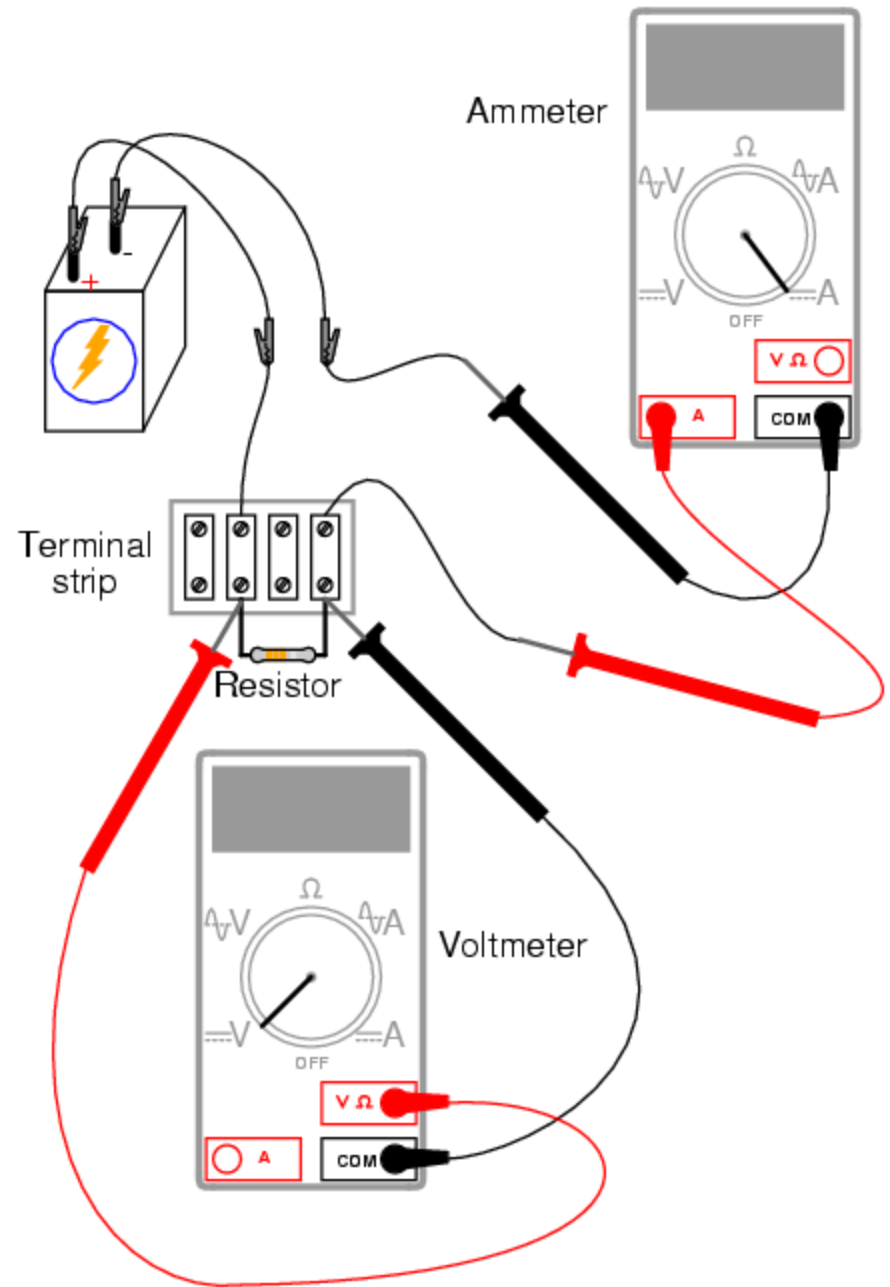
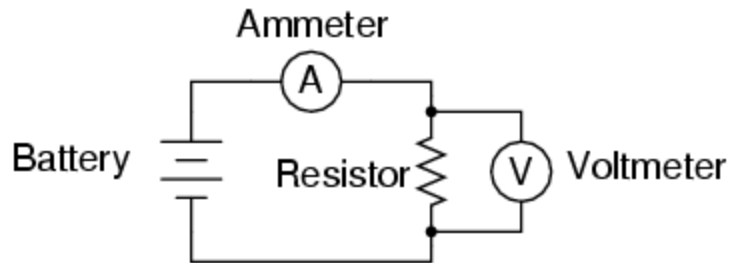


Measuring Power

Indirect method.

Instruments used:

Ammeter and voltmeter



Measuring Power

Direct method.

Instrument used: Power or Watt meter

