

# The Digital Multimeter

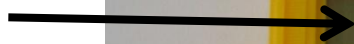
Voltmeter

&

Ammeter

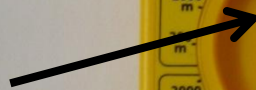
# The multimeter

**Display screen**

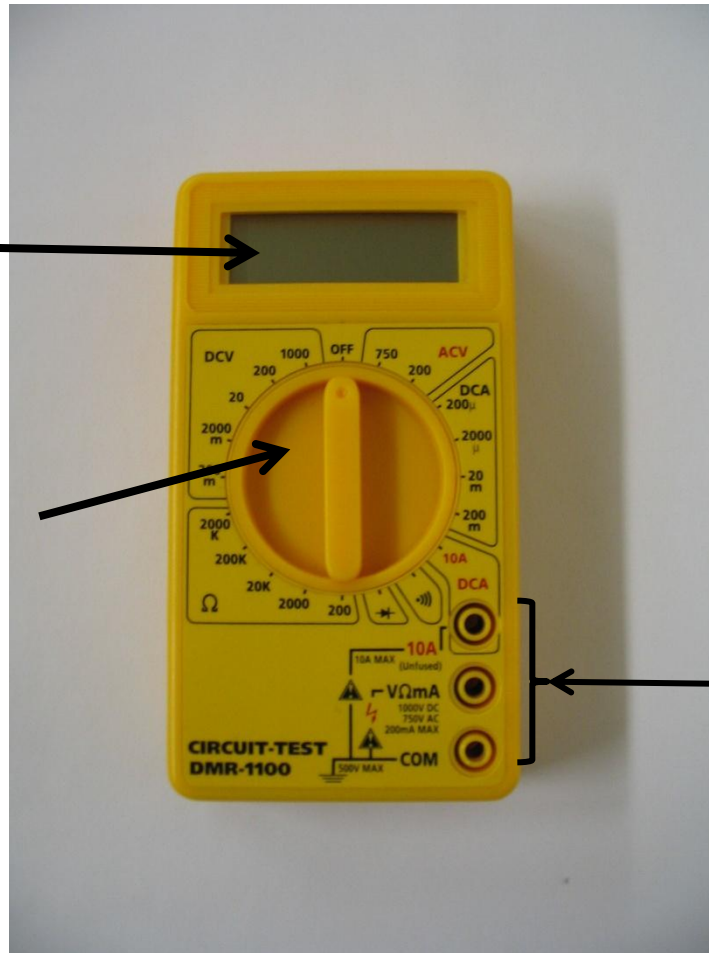
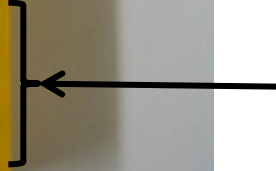


**Selector knob**

Allows you to choose from various options.

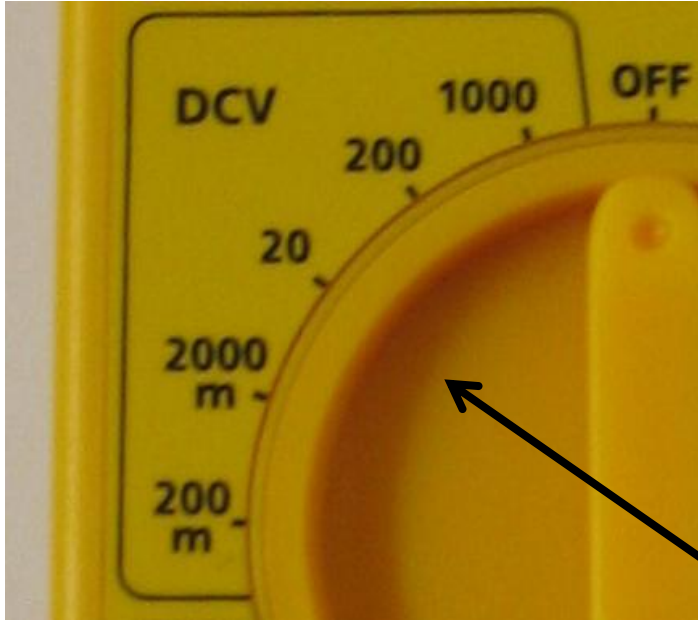


**Input connections**

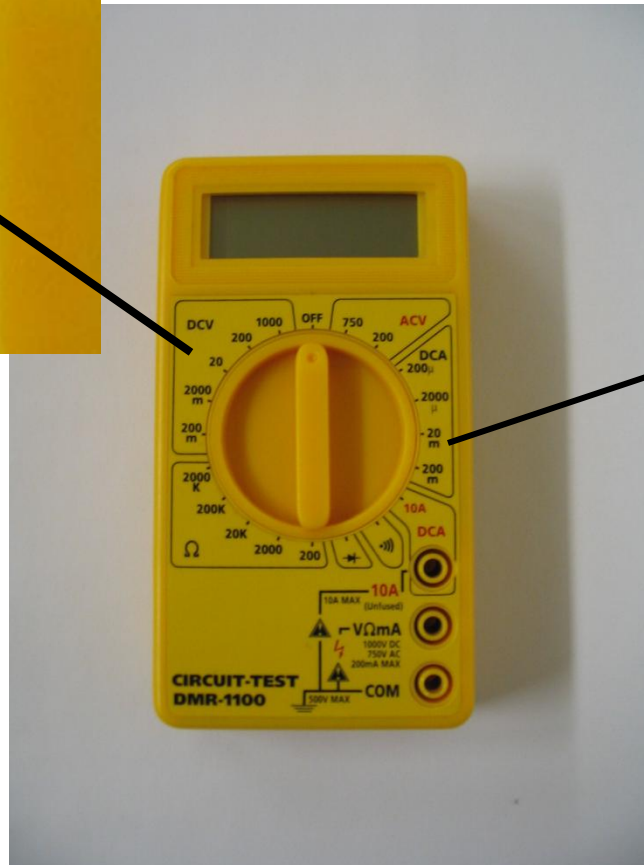


# Selector Options

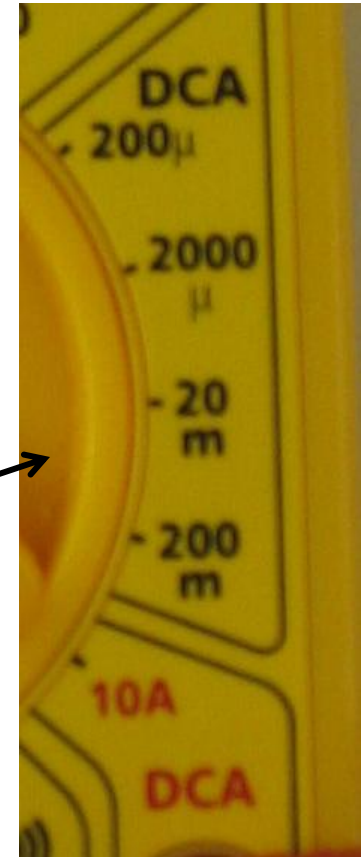
*(for our purposes)*



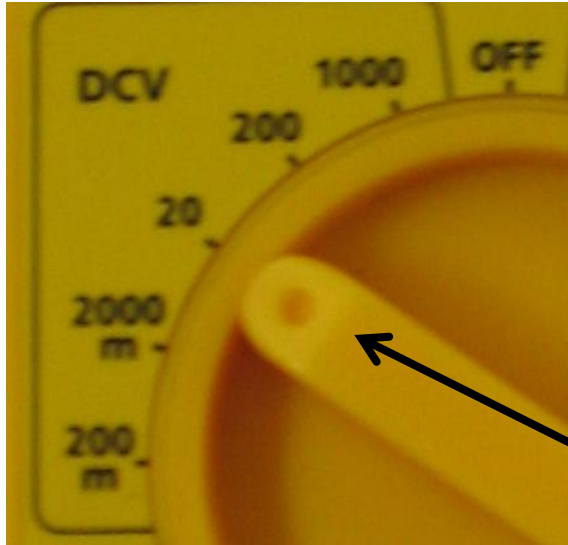
Selector range for a  
**DC Voltmeter**



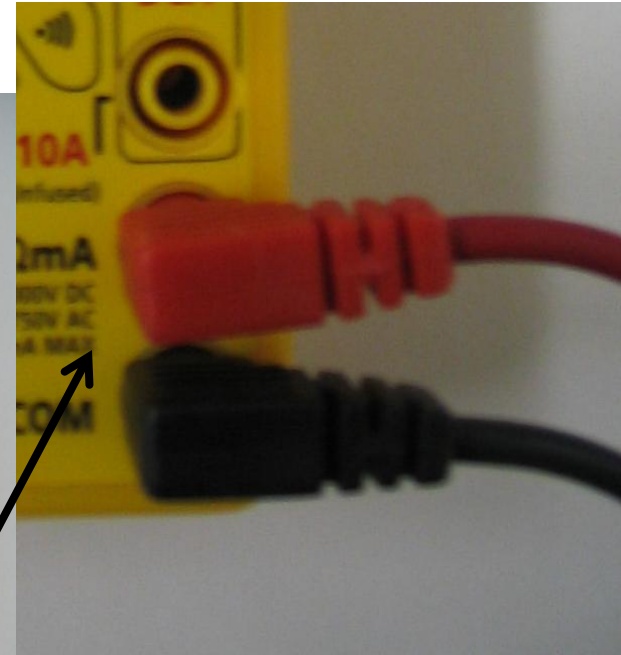
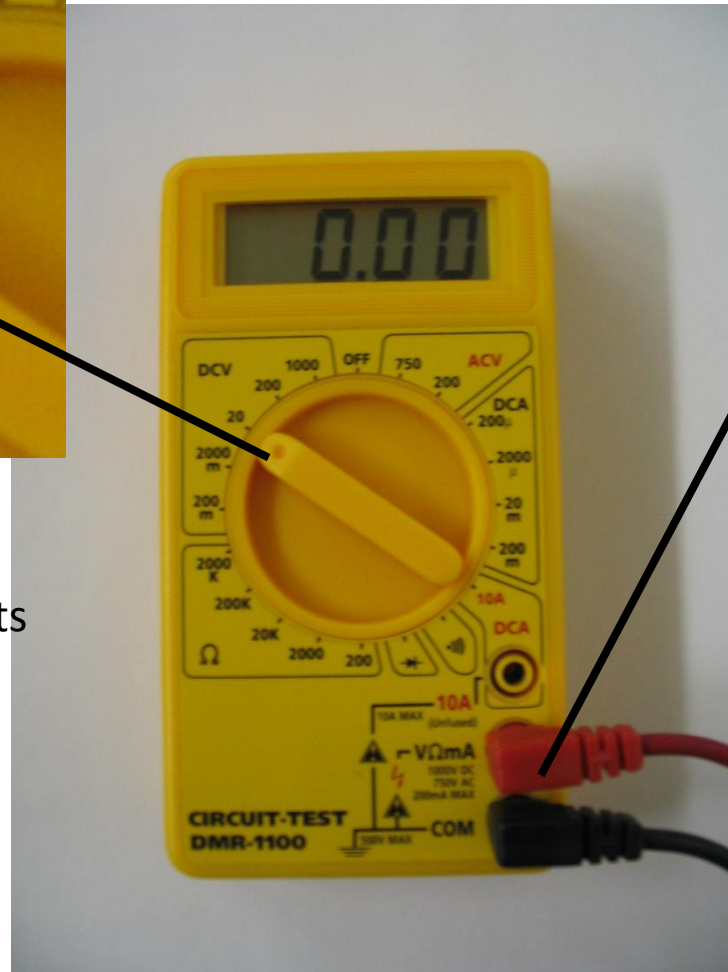
Selector range for a  
**DC Ammeter**



# Voltmeter Setup



**Selector Location** for  
DC voltage measurements  
up to 20 Volts.



Input hookup for  
Use as a voltmeter.  
Note black/red positioning

## Use as a Voltmeter



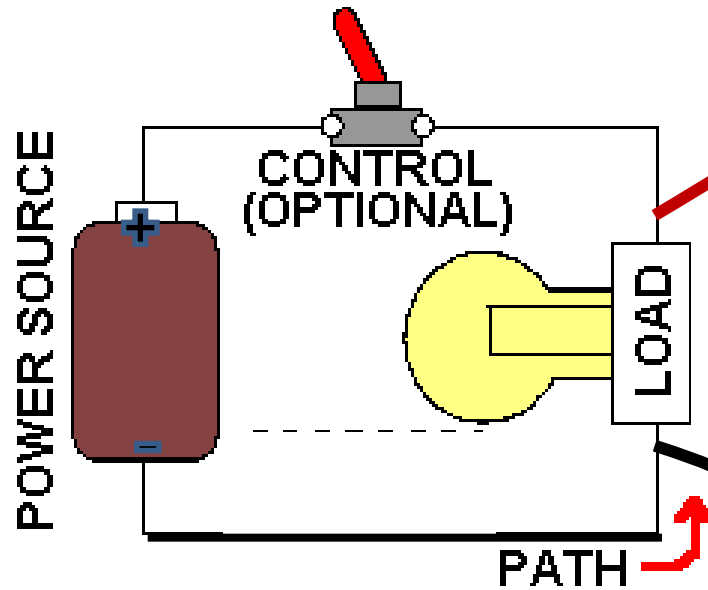
The red lead is attached to the positive terminal of the cell or the positive Side of a circuit element.



The black lead is attached to the negative terminal of the cell or the negative side of a circuit element.

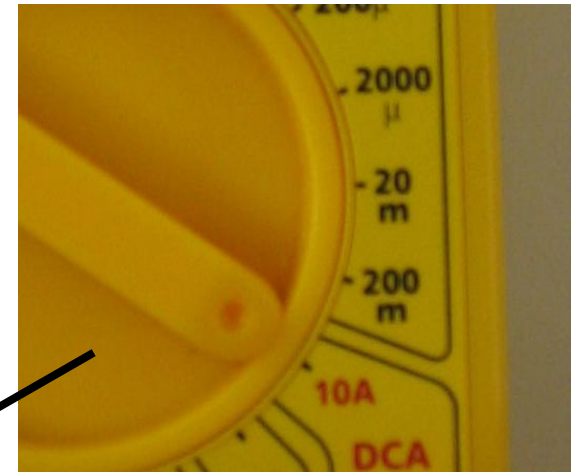
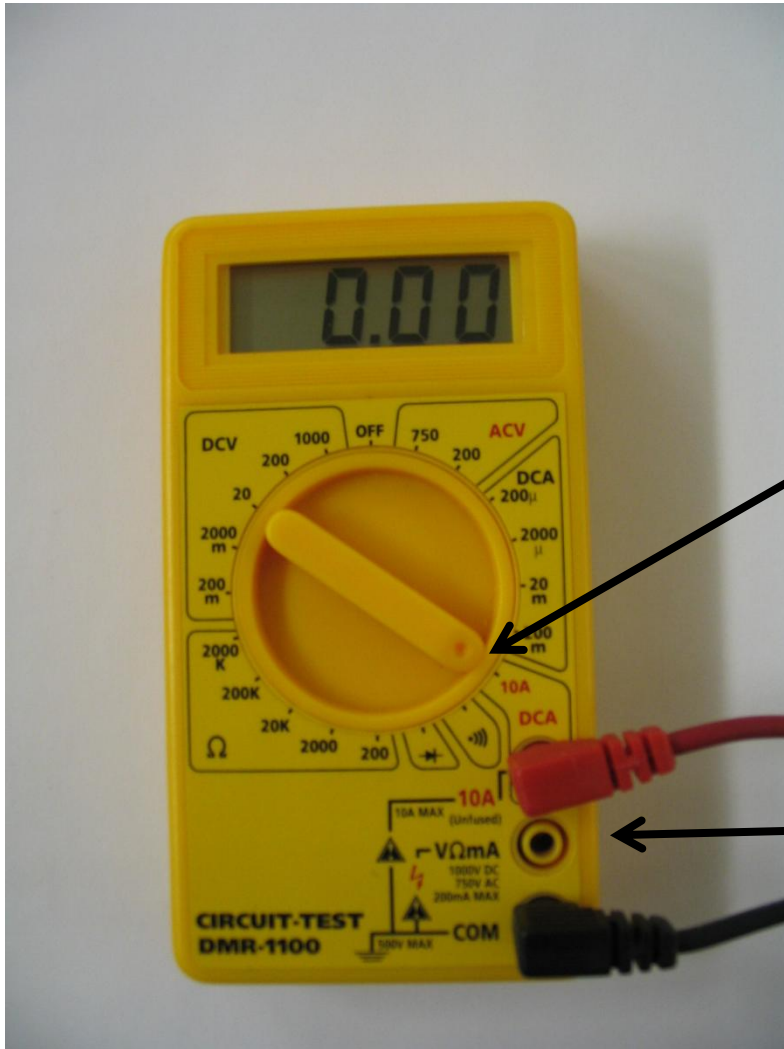
# Voltmeter Setup

## SIMPLE CIRCUIT

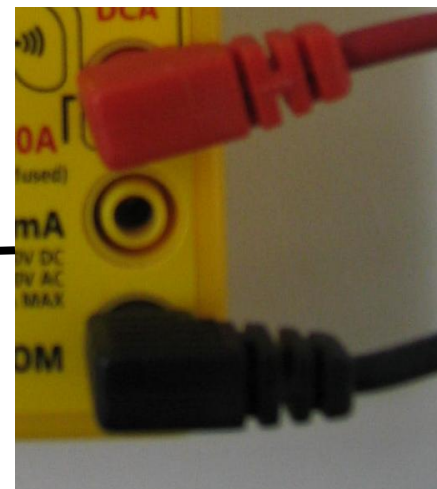


The voltmeter measures the potential difference between two points in a circuit. It is **connected in parallel** to a load.

# Ammeter Setup



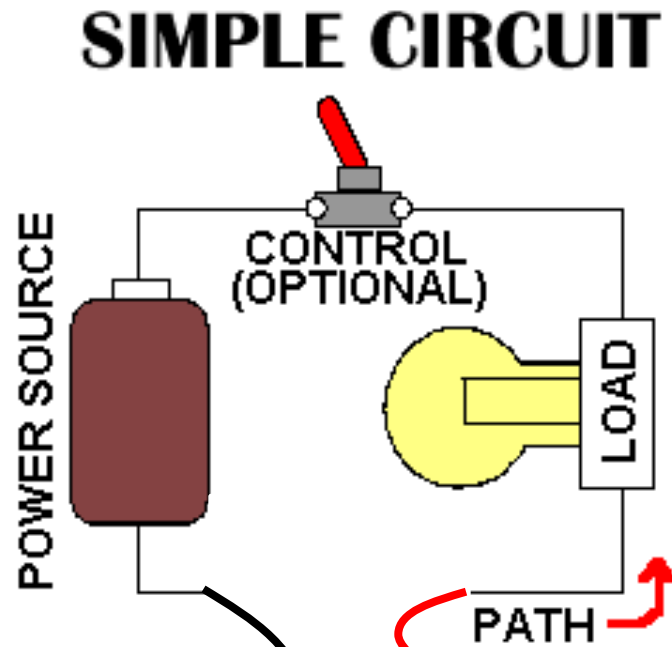
Selector Location for measuring up to 10 amperes DC



Input hookup  
For DC ammeter  
Up to 10 A



# Ammeter setup



The ammeter measures the current in the circuit. It is hooked **in series**.