Multimeters





A multimeter

Is a device capable of measuring a variety of electrical quantities.

The display

Is a 3 $\frac{1}{2}$ digit display capable of displaying numbers from -19.99 to +19.99



The Dial

Is used to select the quantity to be measured.



 Ω – Ohms – Resistance

hFE – Amplification of a transistor

V - DC Volts

V ~ AC Volts

 C° – Temperature

Hz – Hertz – Frequency

F – Farads – Capacitance

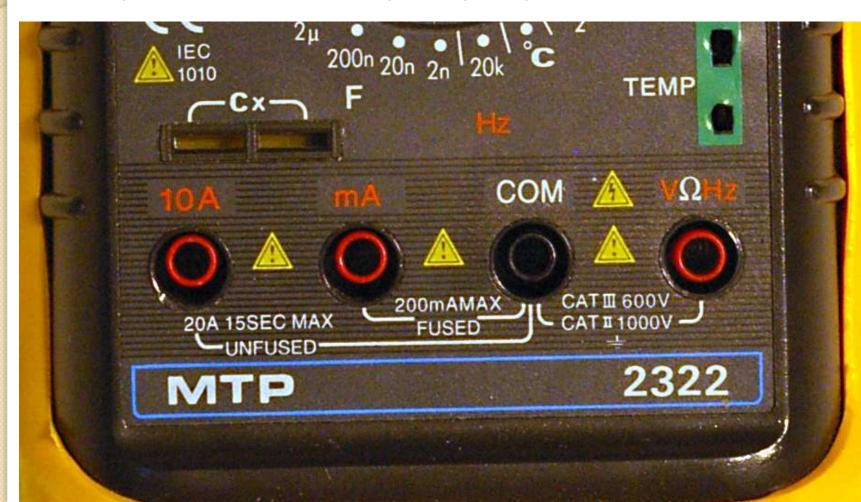
A ~ Amperes – AC Current

A – Amperes – DC Current

Beep – Continuity

Connections

For most measurements, the Black probe should be plugged into COM (common) and the Red probe should be plugged into $V\Omega Hz$. To measure current, the IOA or mA connections are used. Capacitors can be plugged in at Cx. Temperature measurements require a special probe.







Resistance measurements

CAUTION: All power must be disconnected before using ohmmeter







DC Voltage measurement



AC Voltage measurement





Transistor Testing

