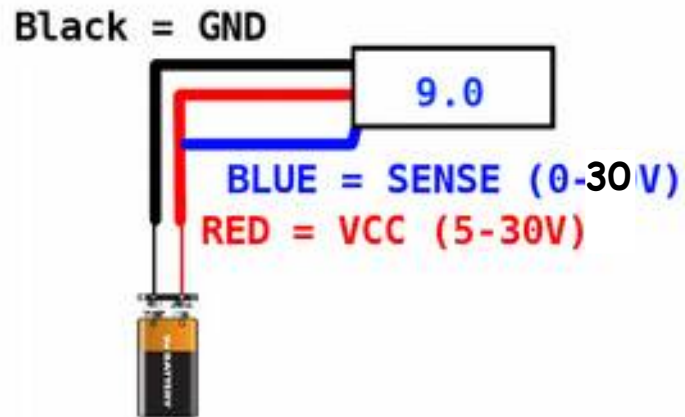


0-30 Voltmeter Test Setup

The 0-30V Voltmeter is a 3 wire device, to assist understanding here are some examples of connecting.

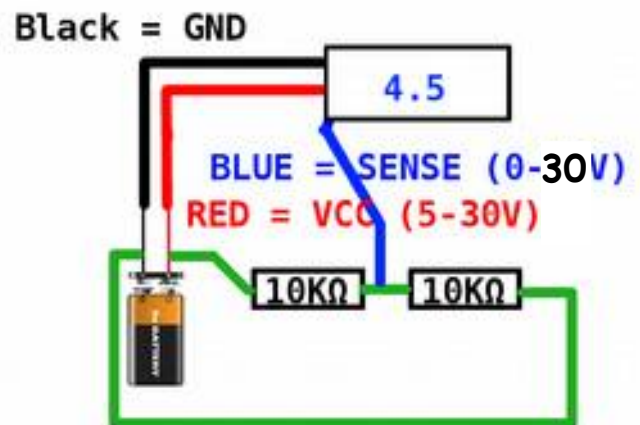
Measure 9v Battery Directly

We connect the Red (VCC) and Black (GND) to +/- of the battery, and then connect Blue also to the +, Blue is Sense so we are sensing the voltage at the + of the battery, approx 9v for a fully charged battery.



Measure 4.5v From Voltage Divider

We connect the Red (VCC) and Black (GND) to +/- of the battery, we create a voltage divider evenly splitting the 9v into 4.5v, and attach the blue wire at the midpoint to measure 4.5v approx (given battery charge, resistor tolerances).



Measure Low Voltage Battery

We connect the Blue (Sense) to the low voltage battery +, we connect the Black (GND) to the low voltage battery

How you get the 5-30v VCC is up to you, the ground must be common with the sense voltage ground. In this example a boost converter is used, or maybe you have a separate (but connected grounds) 9v battery as in the previous examples.

