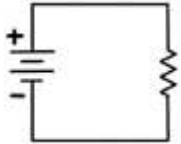


## DC Voltmeters: BK Precision 2831E (15:48)

Describe the significance of the phrase “with reference to” regarding voltmeters.

Illustrate how a DC voltmeter would be employed to measure the voltage rise induced by the source and how a DC voltmeter would be employed to measure the voltage drop across the electrical load.



Specify the resistance of an ideal voltmeter.

List the 4 steps used to place the BK Precision 2831E into DC voltmeter mode.

Differentiate between unloaded/open circuit and loaded voltage measurements.

Discuss the significance of swapping the leads of a DC voltmeter when taking a voltage measurement.

Identify why the following voltmeter placements will yield erroneous voltage measurements. Identify what the voltmeter will read in each scenario given a 5V source.

