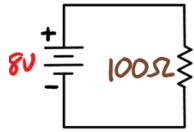


## DC Ammeters: Fluke 87 (24:52)

Describe why it is necessary to power off a circuit prior to inserting an ammeter.

Illustrate how an ammeter would be inserted in this circuit to measure current.



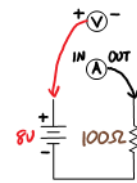
Describe the consequences of installing an ammeter backward in a DC circuit.

Identify the resistance of an ideal ammeter.

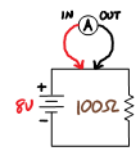
List the 4 steps used to place the Fluke 87 into DC ammeter mode.

Describe how to use the high current range of the Fluke 87. Identify the upper limit of the high current range.

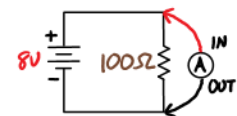
Describe the consequence of using the wrong lead placement for an ammeter.



Describe the consequence of failing to break the circuit and placing the leads of the ammeter at the same point.



Describe the EXTREMELY DANGEROUS consequences of placing an ammeter in parallel to an element under inspection.



# NEVER DO THIS!

Describe how a fuse protects an ammeter.

Identify the fuse ratings for the low and high current inputs on the Fluke 87.

Identify the resistance of an intact fuse. Identify the resistance of a blown fuse.

Describe how to replace damaged fuses on a Fluke 87.