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# DMM Multimeter

# AUTOPISTA

# DMM - Multimeter



**DMM**

# Main parts of a multimeter



Screen

Control device

Connections

# Connections

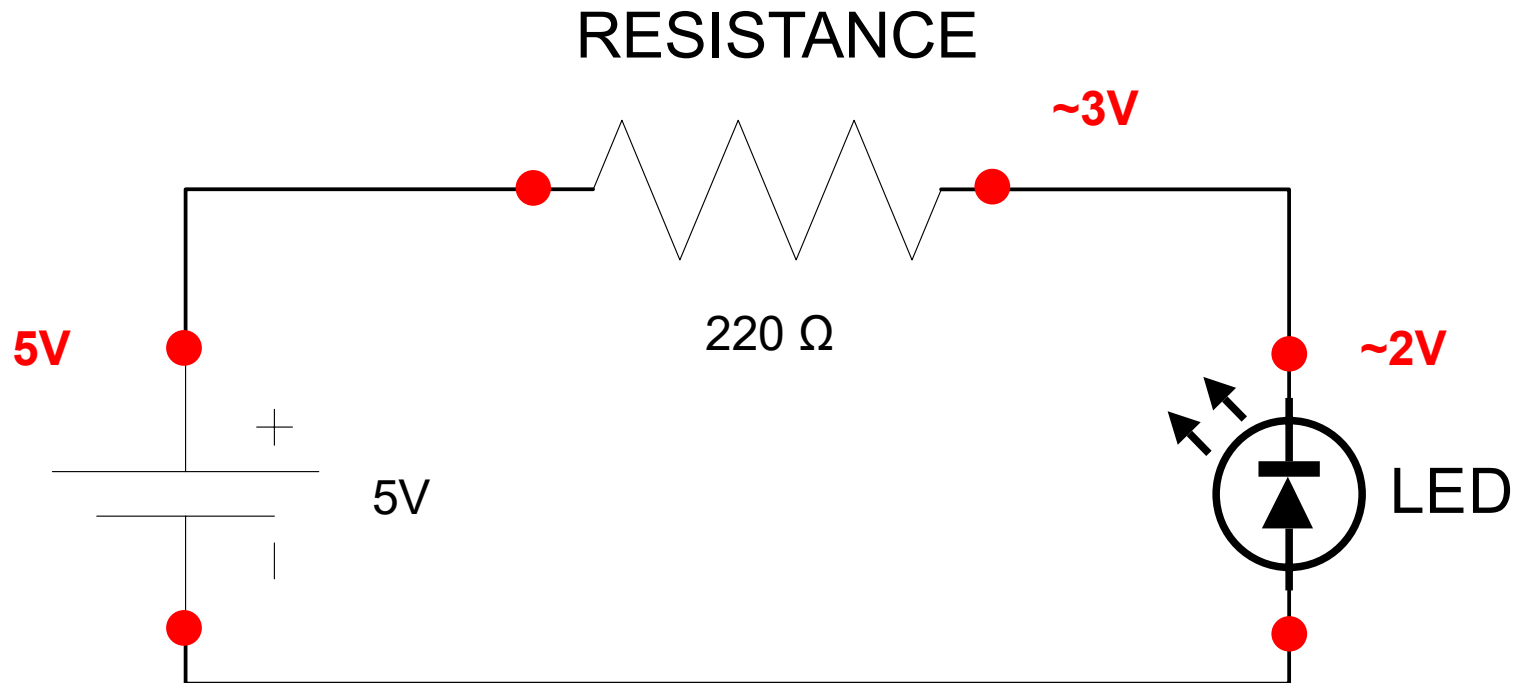


**COM = Common**

**Low Amp**

**High Amp**

# Measuring the Voltage (V)

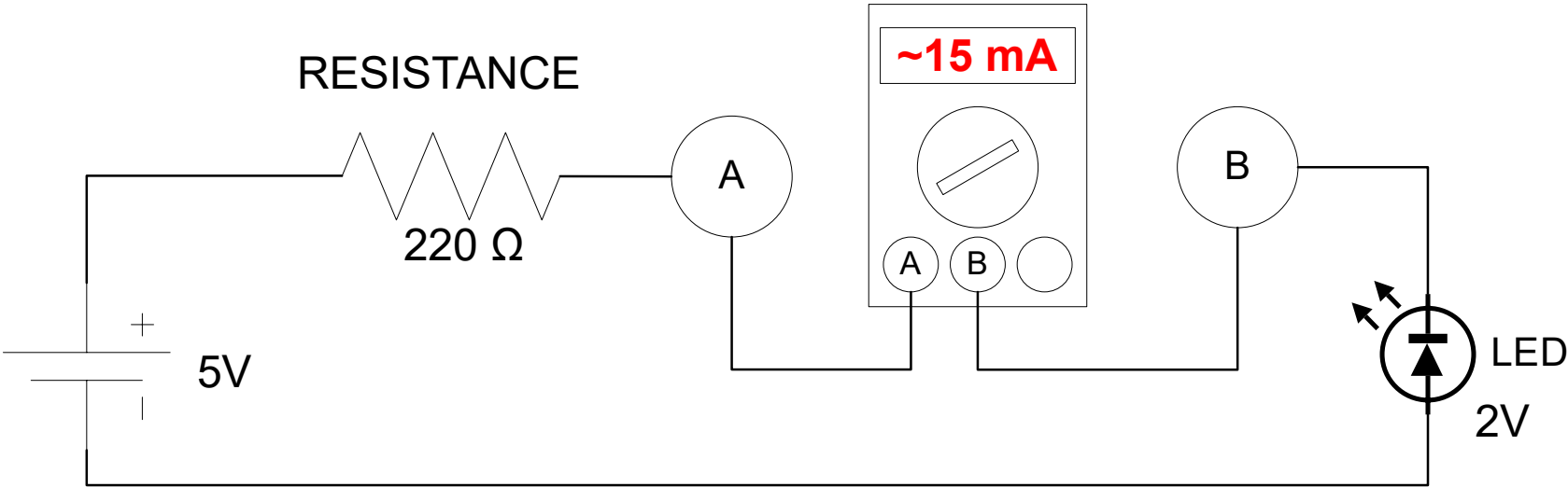


# Measuring alternating voltage (V)

**Be careful when measuring voltages above 50 V!**



# Measuring the Current (A)



# Capacity of a battery

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**Capacity: It is the quantity of electric charge which can be transmitted at a certain voltage [Ah].**

Type	Capacity [mAh]	Flow [mA]
AAA	1.000	10
AA	2.400	50
C	6.000	100
D	13.000	200
6LR61 9V	550	150

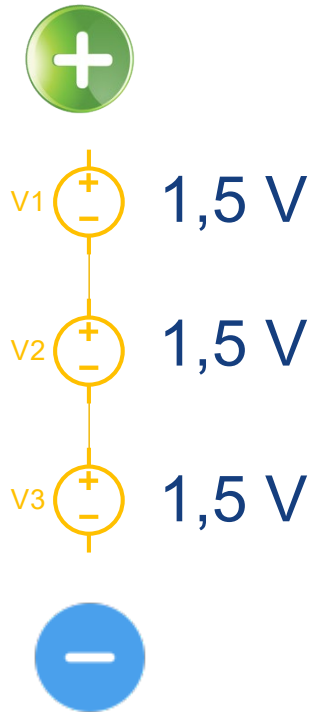
1 Ah = 1 A for one hour



# Connection in Series



Series: Total voltage = sum of voltages =  $V_1 + V_2 + V_n$



$$V_t = 4,5 V \quad Q_t = 1.000 mAh$$

# Connection in Parallel

Parallel: Total Voltage =  $V_1 = V_2 = V_n$

