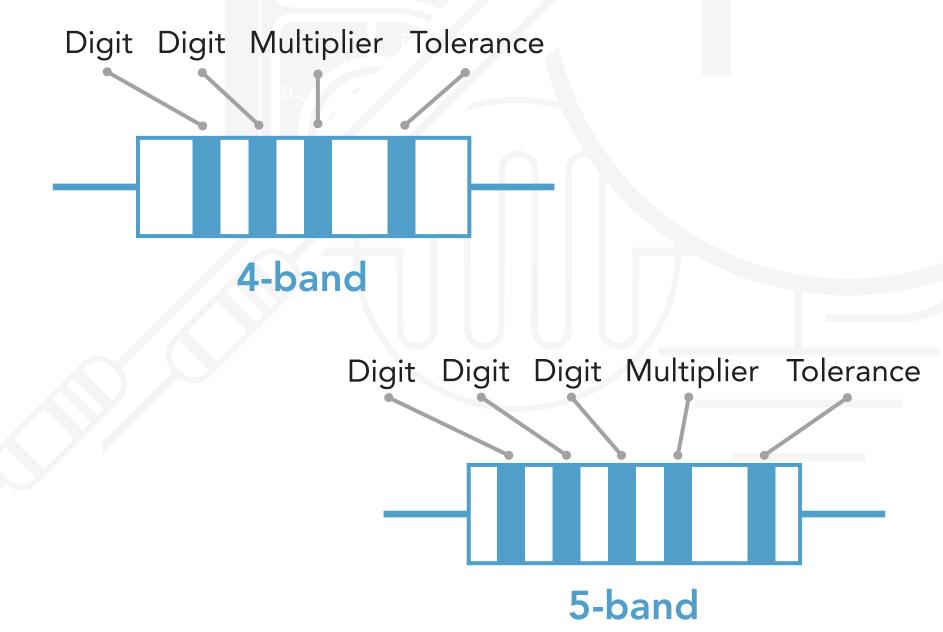
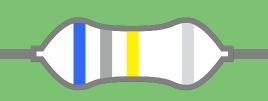
Color	Digit	Multiplier	Tolerance
Black	0	1	
Brown	1	10	±1%
Red	2	10 ²	±2%
Orange	3	10 ³	
Yellow	4	104	
Green	5	10 ⁵	±0.5%
Blue	6	106	±0.25%
Violet	7	10 ⁷	±0.10%
Grey	8	108	±0.05%
White	9	10 ⁹	
Gold		10-1	±5%
Silver		10-2	±10%





D1	2	
D2	2	
MX	10	
%	5	
220 Ω±5%		



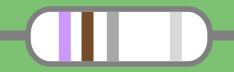
D1	6
D2	8
MX	104
%	10
680 KΩ±10%	



D1	3
D2	2
MX	10 ⁵
%	5
3.2 MΩ±5%	

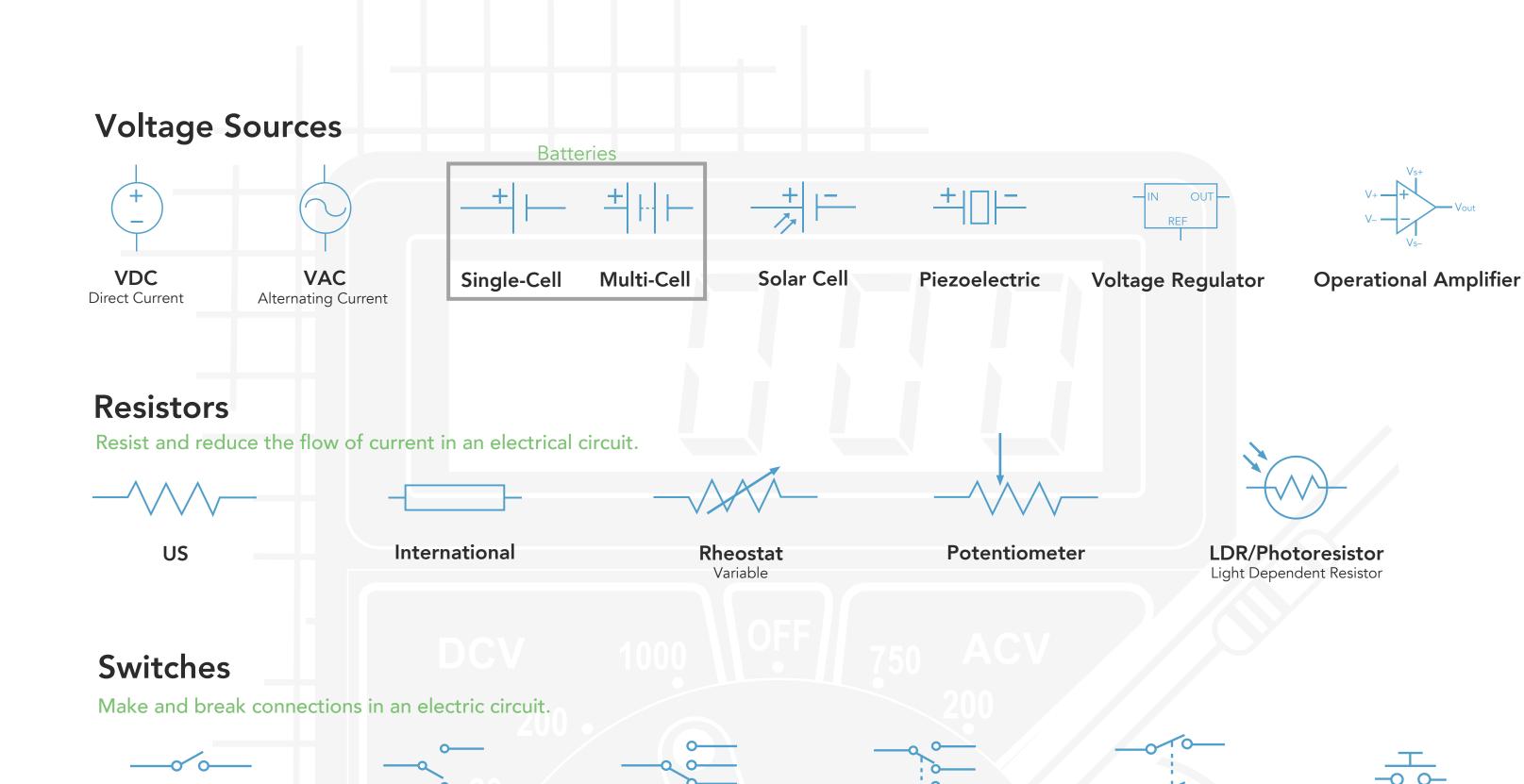


D1	4	
D2	0	
MX	10 ²	
%	5	
4.0 KΩ	4.0 KΩ±5%	



D1	7	
D2	1	
MX	108	
%	10	
7.1 G	7.1 GΩ±10%	

in RESISTOR DECODER

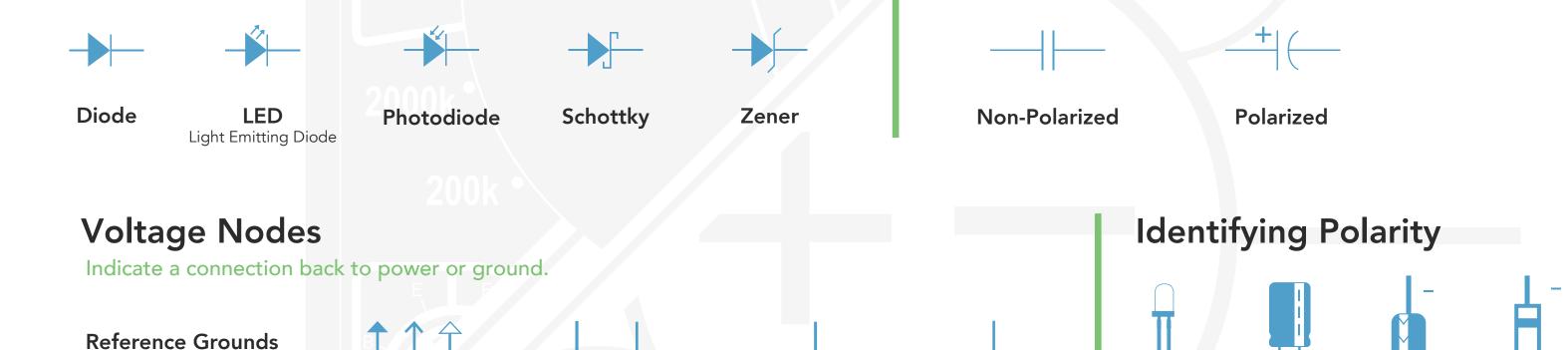


SP3T

Single Pole, Triple Throw

Vee, V-

Negative Supply Voltage



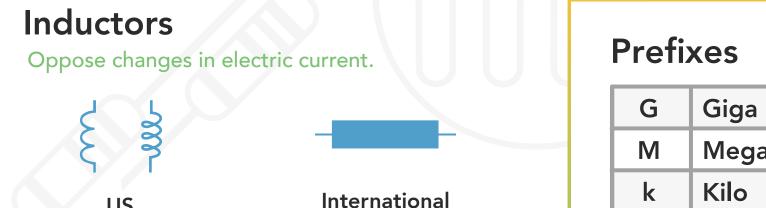
Earth Ground

DPDT

Double Pole, Double Throw

Chassis Ground

Capacitors



Vcc, 5V, V+

Positive Supply Voltage

SPDT

Single Pole, Double Throw

SPST

Single Pole, Single Throw

AGND - Analog Ground **VGND** - Virtual Ground

Allow current to pass in one direction.

Diodes

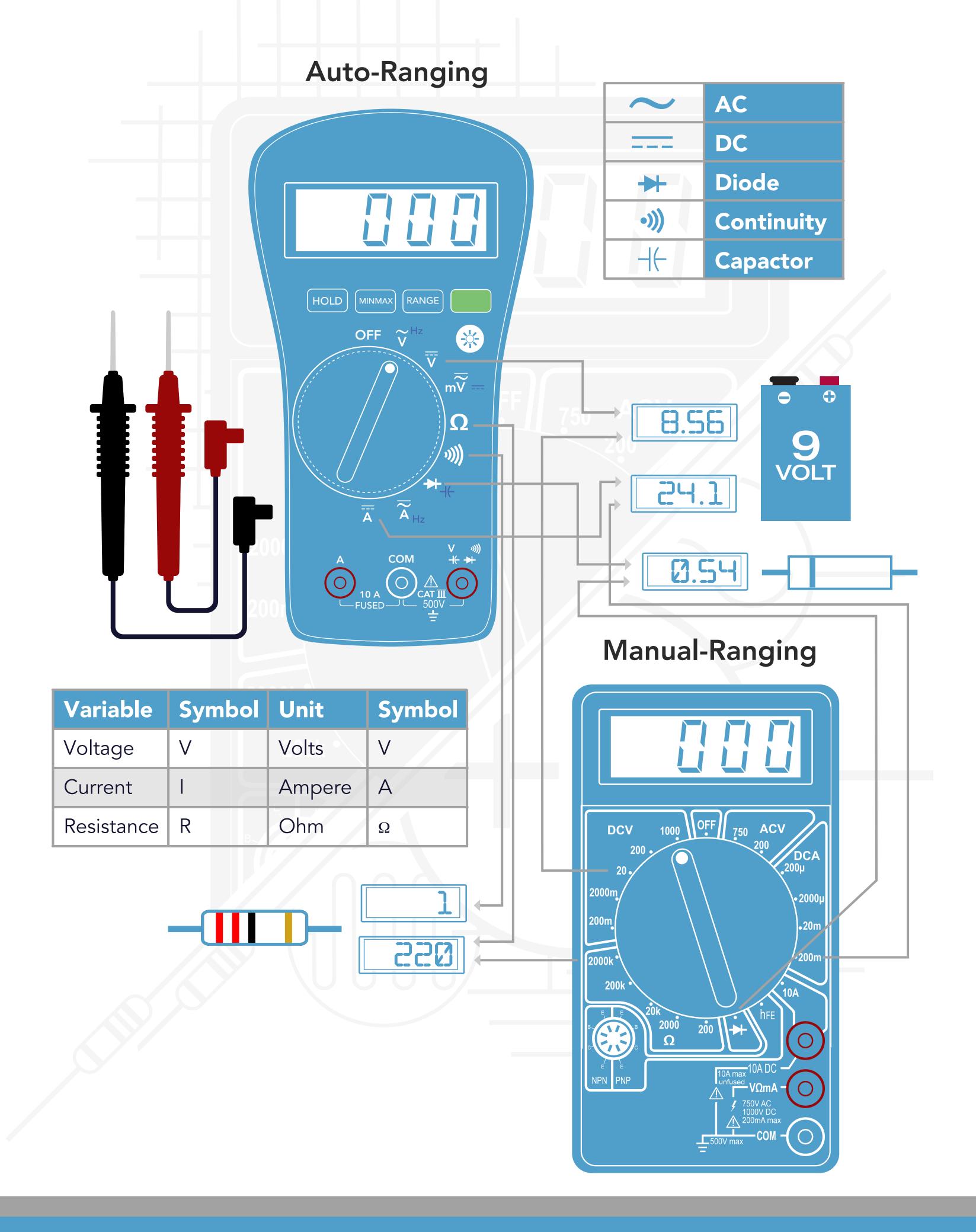
refi	ixes		Unit	Measurement
G	Giga	1,000,000,000	Volt	Electric potential
M	Mega	1,000,000	Ampere	Current
k	Kilo	1,000	Ohm	Resistance
m	Milli	0.001	Watt	Power
μ	Micro	0.000001	Farad	Capacitance
n	Nano	0.00000001	Henry	Inductance
р	Pico	0.00000000001	Hertz	Frequency

DPST

Double Pole, Single Throw

Temporarily store electrical energy in an electric field.

Push Button



in MULTIMETER BASICS