
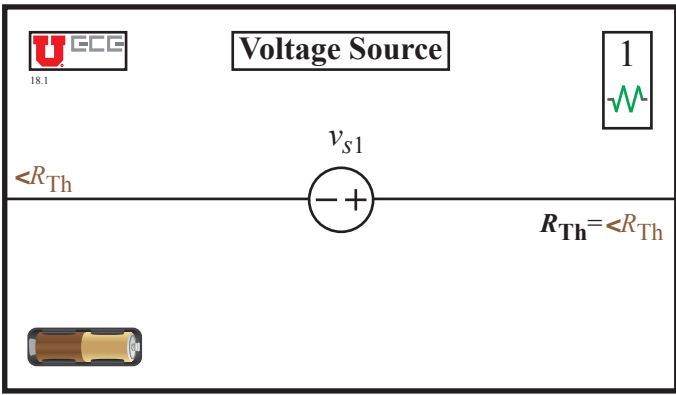




U GCG **Voltage Source** 1

18.1 

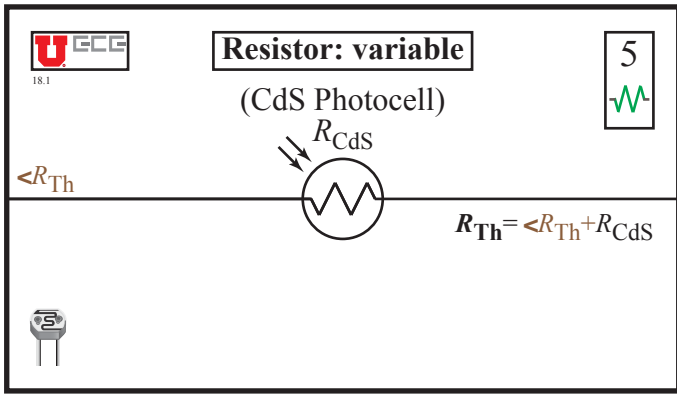

$\langle R_{Th}$ v_{s1} $R_{Th} = \langle R_{Th}$


U GCG **Resistor: variable** 5

18.1 

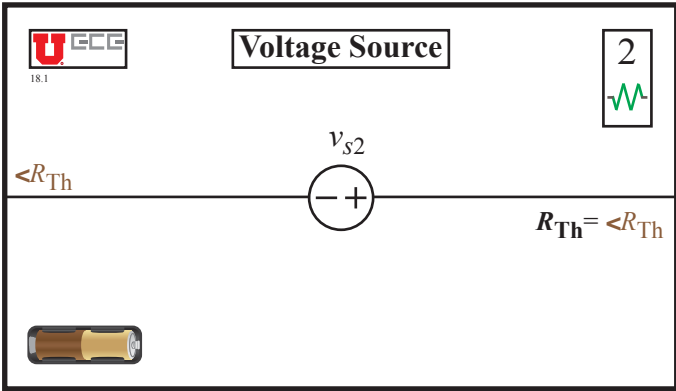

(CdS Photocell)
 R_{CdS}
 $\langle R_{Th}$ $R_{Th} = \langle R_{Th} + R_{CdS}$


U GCG **Voltage Source** 2

18.1 

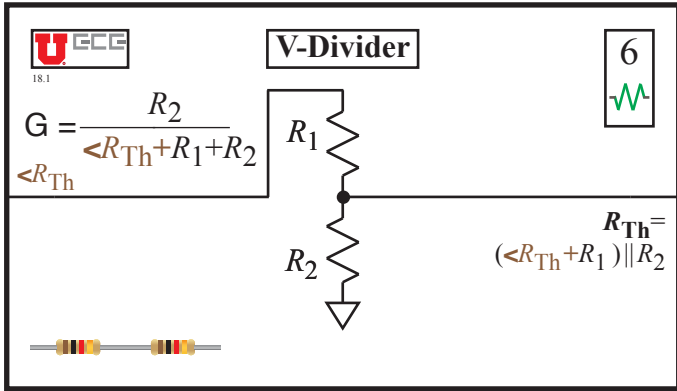

$\langle R_{Th}$ v_{s2} $R_{Th} = \langle R_{Th}$


U GCG **V-Divider** 6

18.1 

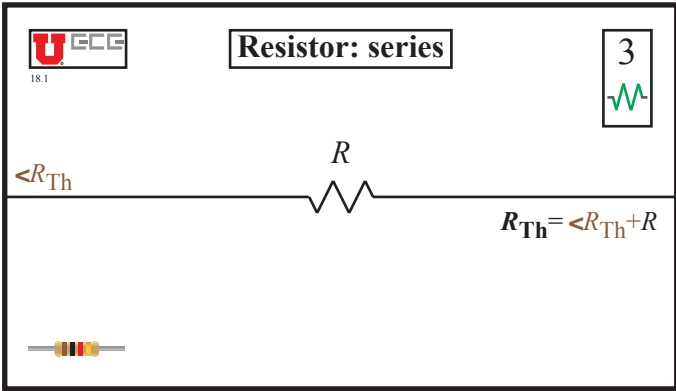

$G = \frac{R_2}{\langle R_{Th} + R_1 + R_2}$
 $\langle R_{Th}$ $R_{Th} = (\langle R_{Th} + R_1) \parallel R_2$


U GCG **Resistor: series** 3

18.1 

$\langle R_{Th}$ R $R_{Th} = \langle R_{Th} + R$

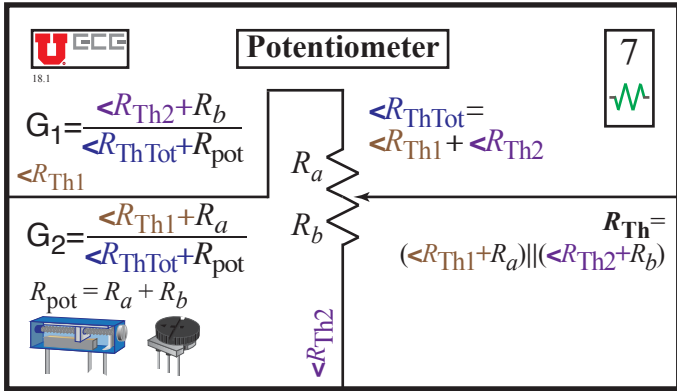
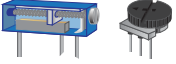



U GCG **Potentiometer** 7


18.1 

$G_1 = \frac{\langle R_{Th2} + R_b}{\langle R_{ThTot} + R_{pot}}$
 $\langle R_{Th1}$ $\langle R_{ThTot} = \langle R_{Th1} + \langle R_{Th2}$

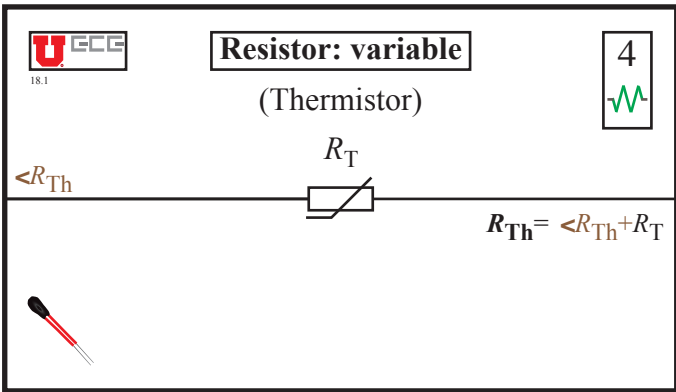

$G_2 = \frac{\langle R_{Th1} + R_a}{\langle R_{ThTot} + R_{pot}}$
 $R_{pot} = R_a + R_b$
 $R_{Th} = (\langle R_{Th1} + R_a) \parallel (\langle R_{Th2} + R_b)$


U GCG **Resistor: variable** 4

18.1 

(Thermistor)
 R_T
 $\langle R_{Th}$ $R_{Th} = \langle R_{Th} + R_T$

U GCG **Resistor: parallel** 8

18.1 

$G = \frac{R_p}{\langle R_{Th} + R_p}$
 $\langle R_{Th}$ $R_{Th} = R_p \parallel \langle R_{Th}$

