Voltage Source

1

$R_{Th} = R_{Th<}$

Voltage Source

2

$R_{Th} = R_{Th<}$

Resistor

3

$R_{Th} = R + R_{Th<}$

Resistor: variable

(Thermistor)

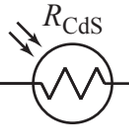
4

$R_{Th} = R_T + R_{Th<}$

Resistor: variable

(CdS Photocell)

5

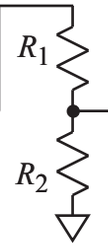


$R_{Th} = R_{CdS} + R_{Th<}$

V-Divider

6

$$G = \frac{R_2}{R_1 + R_2 + R_{Th<}}$$



$R_{Th} = (R_1 + R_{Th<}) \| R_2$

Potentiometer

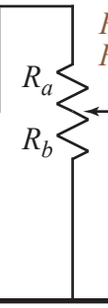
7

$$G_1 = \frac{R_b + R_{Th2<}}{R_{pot} + R_{Th<Tot}}$$

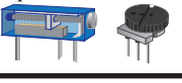
$$G_2 = \frac{R_a + R_{Th1<}}{R_{pot} + R_{Th<Tot}}$$

$R_{pot} = R_a + R_b$

$R_{Th<Tot} = R_{Th1<} + R_{Th2<}$



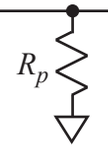
$R_{Th} = (R_a + R_{Th1<}) \| (R_b + R_{Th2<})$



Resistor: parallel

8

$$G = \frac{R_p}{R_p + R_{Th<}}$$



$R_{Th} = R_p \| R_{Th<}$