Electric Basics #15:

How to build a thermometer using Arduino?

Component:

1)NTC(Negative temperature coefficient) thermistor: Those resistors decreases their resistance value with higher temperature.

2)The PT100 is used in the industry. At 0°C, its resistance is 100 ohms, and it increases as temperature rises. By using wheatstone Bridge method, we can calculate voltage of PT100. Then the value of this voltage is used at a temperature-voltage formula.