

Arduino LM35 Temperature Sensor - Quick Reference

Parts List

- Arduino Uno
- LM35 Temperature Sensor
- Jumper Wires
- Breadboard (optional)
- USB Cable

Wiring (LM35 to Arduino)

- Pin 1 (VCC) -> 5V
- Pin 2 (Signal) -> A0
- Pin 3 (GND) -> GND

Code Snippet

```
int sensorPin = A0;
float temperature;
void setup() { Serial.begin(9600); }
void loop() {
    int sensorValue = analogRead(sensorPin);
    temperature = (sensorValue * 5.0 * 100.0) / 1024.0;
    Serial.print("Temp: ");
    Serial.print(temperature);
    Serial.println(" °C");
    delay(1000);
}
```

Tips

- Open the Serial Monitor at 9600 baud.
- Blow or touch the sensor to see real-time changes.
- Great for learning analog input and sensor basics.

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