

Simple Electronic Circuits

1. LED with Resistor Circuit:

This basic circuit uses a 9V battery, a 220-ohm resistor, and an LED connected in series. It shows how to safely light an LED using a current-limiting resistor.

2. LM35 Temperature Sensor with Arduino UNO:

This circuit uses an LM35 sensor to measure temperature and sends the data to an Arduino UNO. The VCC pin of LM35 connects to 5V, GND to GND, and OUT to analog pin A0 of Arduino. The Arduino code reads temperature and shows it in the Serial Monitor.

Refer to the pictorial representation provided above.