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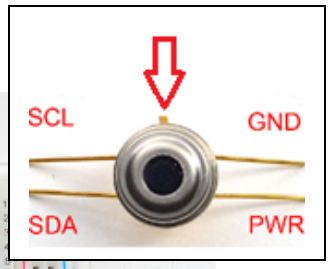
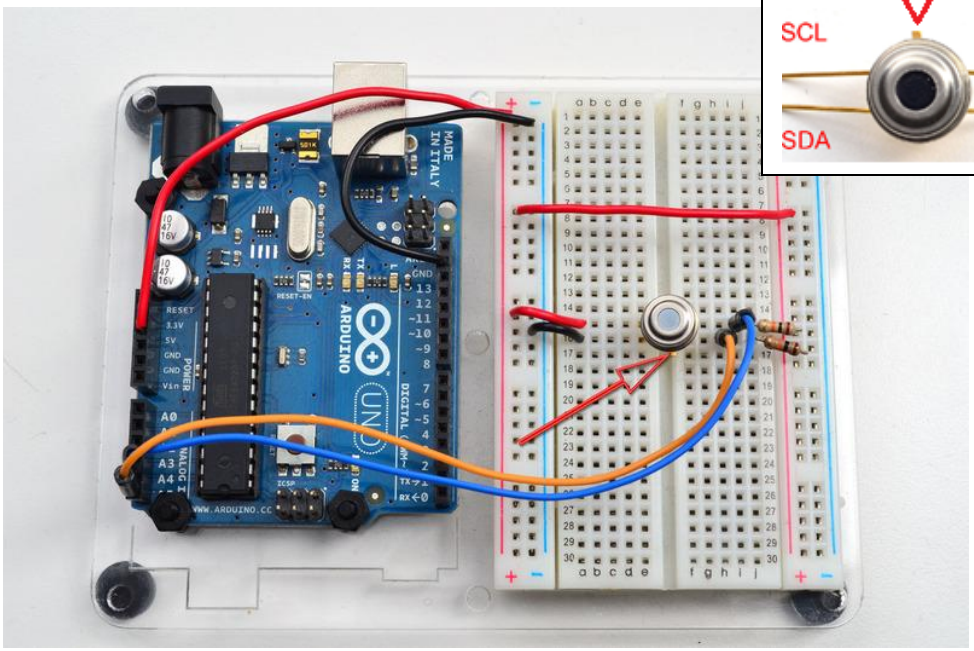
Application: Wiring and Test MLX90614 5V

COMPONENT NEEDED:

- Melexis Contactless Infrared Sensor - MLX90614 5V
- Arduino UNO
- USB Cable
- 10k resistor x2
- Jumper wire

CONNECTION:

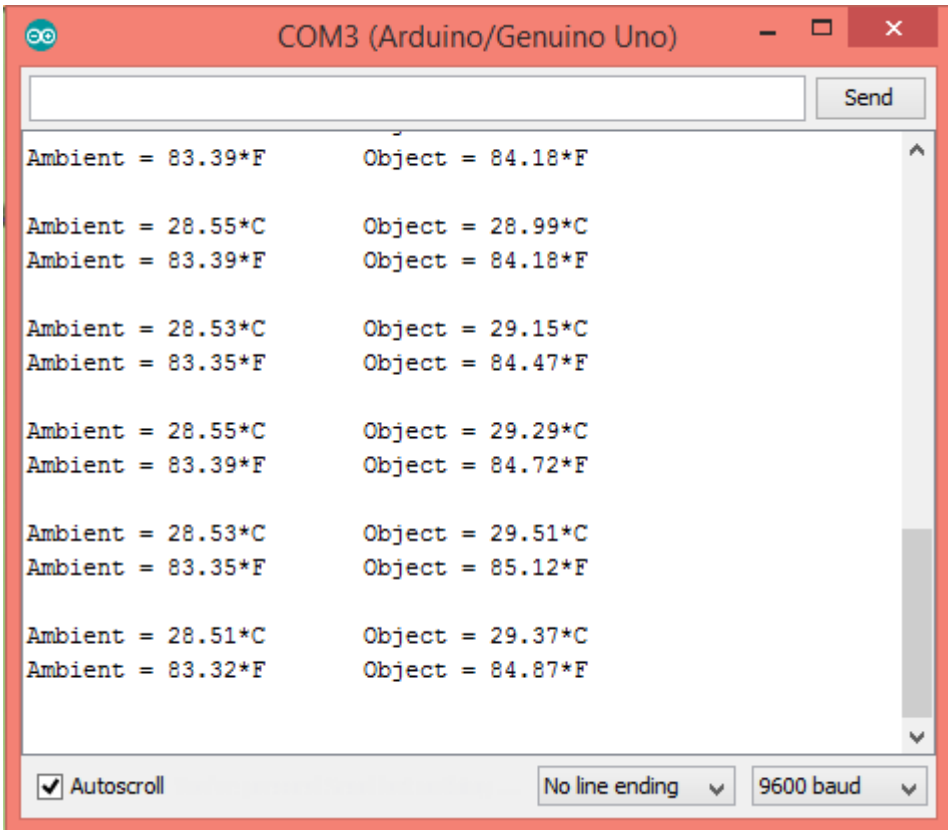




MLX90614 5V	Arduino
GND	GND
PWR	5V
SCL	A5
SDA	A4

1. Connect the circuit as shown in figure above.
2. Connect your Arduino UNO to Arduino IDE.
3. Open your Arduino IDE.
4. Select the right board type and COM port.
5. Upload the sketch. You can get the sketch from *Application_Sketch.*
6. Open the serial monitor to view the output and result.

RESULT:



CONCLUSION:

- Ambient temperature is the temperature of the sensor itself.
- The object temperature is the object's measuring in the 90-degree field of view.