mlx90614 sensor

A screenshot of a computer

Description automatically generated with low confidence

object temperature and an ambient temperature

Accuracy: ±0.5°C (around room temperatures)

Resolution: ±0.2°C

Distance between object and sensor: 2cm-5cm

Code to Arduino:

#include <Wire.h>

#include <Adafruit\_MLX90614.h>

Adafruit\_MLX90614 mlx = Adafruit\_MLX90614();

void setup() {

Serial.begin(9600);

Serial.println("Adafruit MLX90614 test");

mlx.begin();

}

void loop() {

Serial.print("Ambient = "); Serial.print(mlx.readAmbientTempC());

Serial.print("\*C\tObject = "); Serial.print(mlx.readObjectTempC()); Serial.println("\*C");

Serial.print("Ambient = "); Serial.print(mlx.readAmbientTempF());

Serial.print("\*F\tObject = "); Serial.print(mlx.readObjectTempF()); Serial.println("\*F");

Serial.println();

delay(500);

}

Ref

https://create.arduino.cc/projecthub/infoelectorials/project-014-arduino-mlx90614-infrared-temperature-sensor-a48bba