MOD-IR-TEMP

INFRA RED HIGH PRECISION NON-CONTACT TEMPERATURE MEASUREMENT SENSOR MODULE FOR UEXT CONNECTOR OR BREADBOARD

MOD-IR-TEMP is an infra red thermometer based on MLX90614BAA IC. MLX90614BAA is factory calibrated in wide temperature range:

- -40 to 125 ℃ for sensor temperature and

- -70 to 380 ℃ for object temperature.

   VERY IMPORTANT: MOD-IR-TEMP works at 3.3V! Please set your Arduino board to 3.3V operation or you will damage the module.

FEATURES
- Non contact temperature measurement
- High precision with 0.02C resolution
- High accuracy of 0.5°C over temp range 0 to 50°C
- 3V operation
- I2C interface
- UEXT connector
- Breadboard connector
- includes IDC 10 pin ribbon cable for UEXT boards
- Dimensions: 22 x 35 mm

DOCUMENTS
- MLX90614BAA datasheet
- MOD-IR-TEMP European Declaration of Conformity

HARDWARE
- MOD-IR-TEMP schematic in PDF format
- Github repository with CAD sources

SOFTWARE
- Arduino example