

Berührungsloser Infrarot-Temperatursensor



Artikel-Nr.:	CL-IRTEMP
Hersteller:	Waveshare
EAN:	614961951037
Herkunftsland:	China
Zolltarifnummer:	84715000
Gewicht:	0.005 kg

Overview

- Measures the surface temperature of an object without touching it, depending on the emitted IR waves of the target
 - Also measures the average temperature over an area
- Contact-less, high precision, high resolution, fast response
- Calibrated before delivery, with gradient temperature compensation
- Works with 3.3V/5V MCU system directly, thanks to the built-in level translation

Specifications

- Power: 3.3V ~ 5V
- Measuring range (area): 40°C ~ 85 °C
- Measuring range (object): -70°C ~ 380 °C
- Resolution: 0.02°C
- Precision: $\pm 0.5^{\circ}\text{C}$ (0~50°C)
- Field of view (FOV): 35°
- Dimension: 28mm x 16 mm
- Mounting holes size: 2.0mm

Applications

- High-precision contact-less temperature measurement
- Industrial temperature control
- Household appliances temperature control

How to Use

In the case of working with a MCU:

- VCC $\leftrightarrow$ 3.3V ~ 5V
- GND $\leftrightarrow$ GND

- SDA ↔ MCU.I2C data line
 - SCL ↔ MCU.I2C clock line
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Development Resources

- Wiki : www.waveshare.com/wiki/Infrared_Temperature_Sensor

Package Content

- Infrared Temperature Sensor x 1
- PH2.0 4PIN wire x 1

Weitere Bilder:

