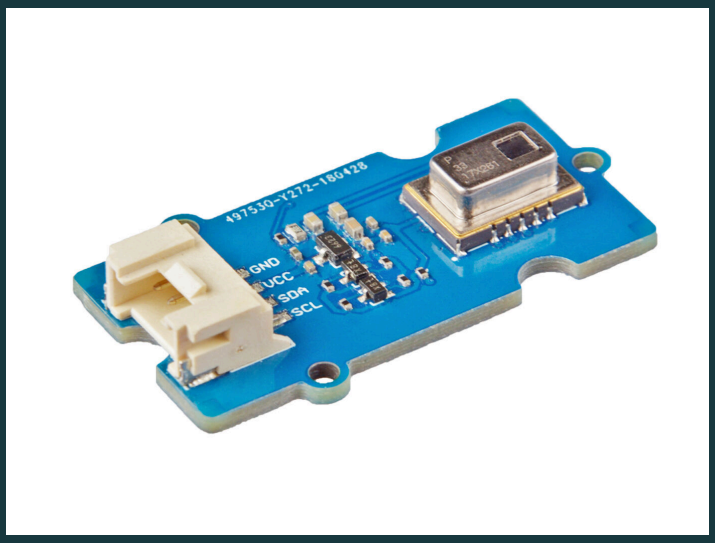
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INDUSTRIAL PRODUCT DATASHEET

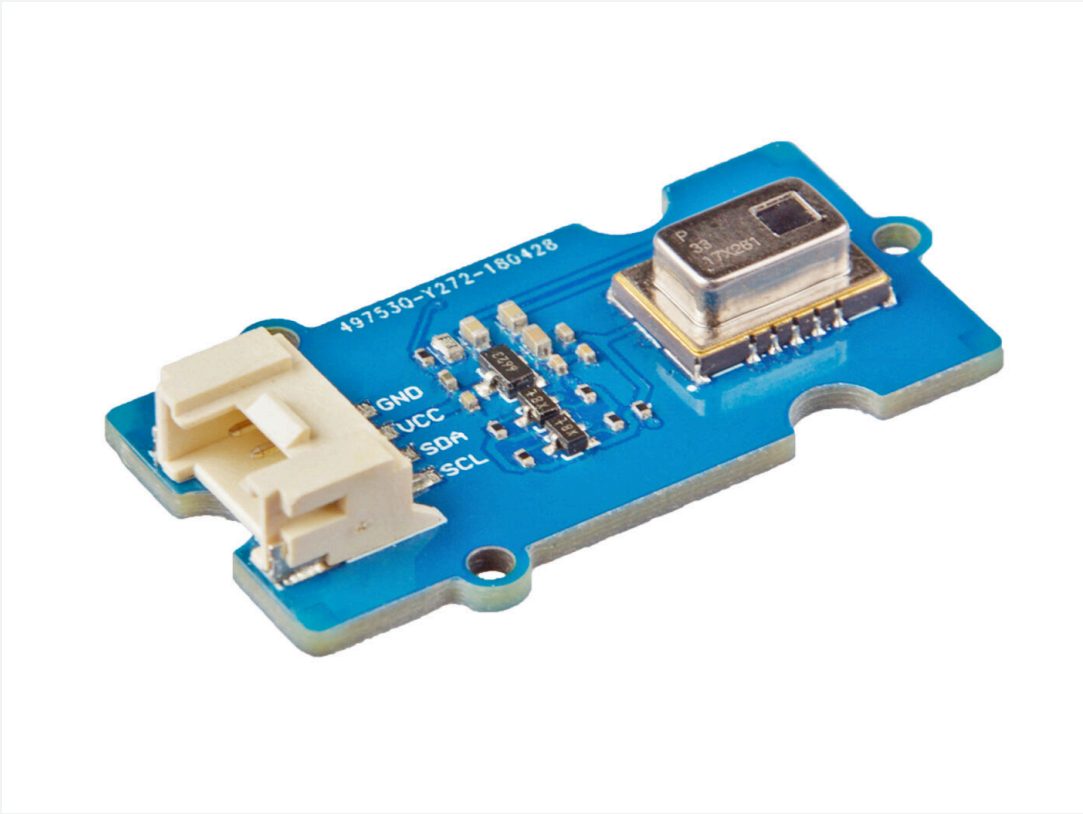
# Grove - AMG8833 8x8 Infrared Thermal Temperature Sensor Array

This is a high precision infrared array sensor based on advanced MEMS technology, which can measure temperatures ranging from 0°C to 80°C (32°F to 176°F) and provide the accuracy of +- 2.5°C (4.5°F).

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 101020557 | 2026-11-11 08:08:28 | $29.00(Excl. VAT) |



# Overview




This is a high precision infrared array sensor based on advanced MEMS technology, which can measure temperatures ranging from 0°C to 80°C (32°F to 176°F) and provide the accuracy of +-2.5°C (4.5°F). It can support temperature detection of the two-dimensional area of 8 × 8 (64 pixels) and a maximum 7 meters detection distance.

# Key Features

01 **Compact and simple**

Temperature detection of the two-dimensional area: 8 × 8 (64 pixels)

02 **Wide temperature range**

Temperature range of measuring object: 0 °C to 80 °C +32 °F to +176 °F

03 **High precision**

Accuracy ± 2.5°C (4.5°F)

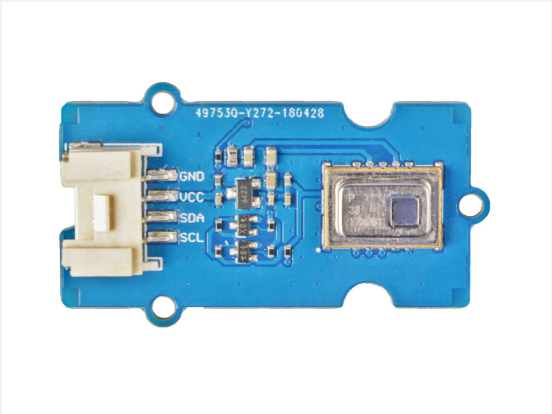
04 **Long detection distance**

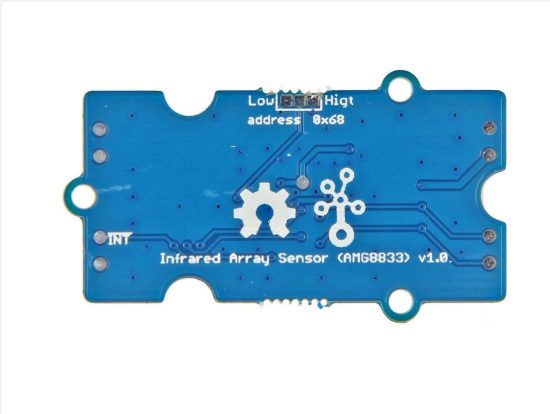
It can detect people from a distance of up to 7 meters (23) feet

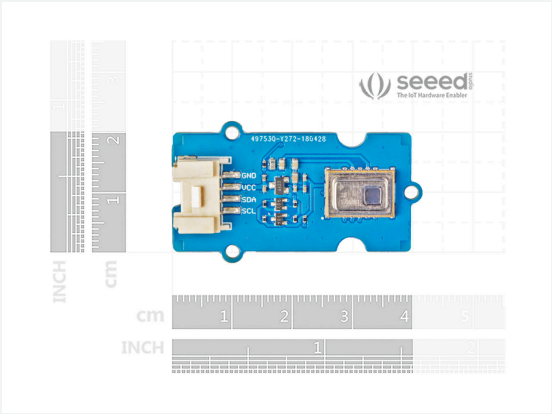
05 **Grove unified socket**

The sensor ensures "Plug and Play" and could be versatile for various applications

# Product Gallery




# Resource Links

- https://www.seeedstudio.com/Grove-Infrared-Temperature-Sensor-Array-AMG8833.html
- Grove Infrared Temperature Sensor Array(AMG8833)Eaglefile
- Seeed AMG8833 Arduino library
- Seeed AMG8833 Python library
- AMG8833 datasheet
- XC6206 datasheet

**Seeed Technology Co.,Ltd.**
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

**Tel:** +86 0755-80695676
**Web:** www.seeed.cc
**Shop:** www.seeedstudio.com