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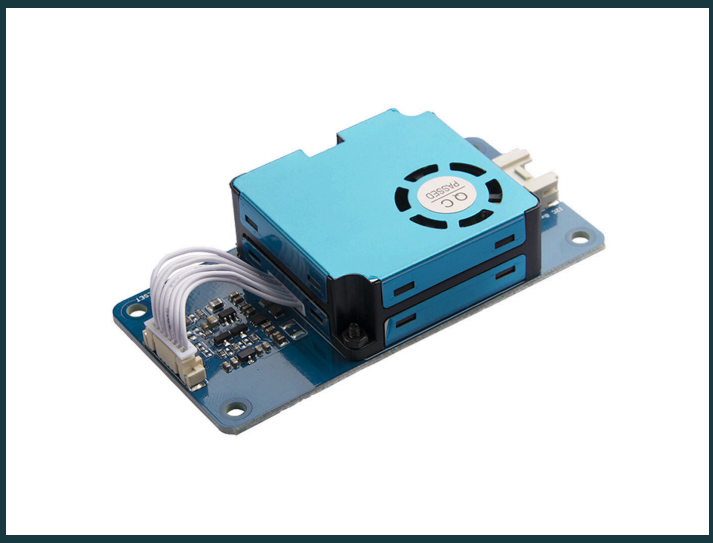
INDUSTRIAL PRODUCT DATASHEET

# Grove - Laser PM2.5 Dust Sensor - Arduino Compatible - HM3301

The Grove - Laser PM2.5 Sensor (HM3301) is a new generation of laser dust detection sensor, which is used for continuous and real-time detection of dust in the air.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 101020613 | 2026-11-11 08:11:02 | $32.90(Excl. VAT) |



# Overview




The Grove - Laser PM2.5 Sensor (HM3301) is a new generation of laser dust detection sensor, which is used for continuous and real-time detection of dust in the air. With its stable output, low noise, and ultra-low power consumption, it is suitable for air conditioners, intelligent air purifiers, and other air quality-related IoT projects.

# Key Features

01 **Real-time detection**

Real-time & continuous detection of dust concentration in the air

02 **High sensitivity**

High sensitivity on dust particles of 0.3 μm or greater

03 **Stable data reading**

Based on laser light scattering technology, readings are accurate, stable, and consistent

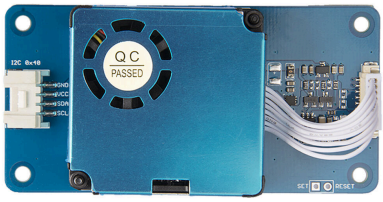
04 **Low-power**

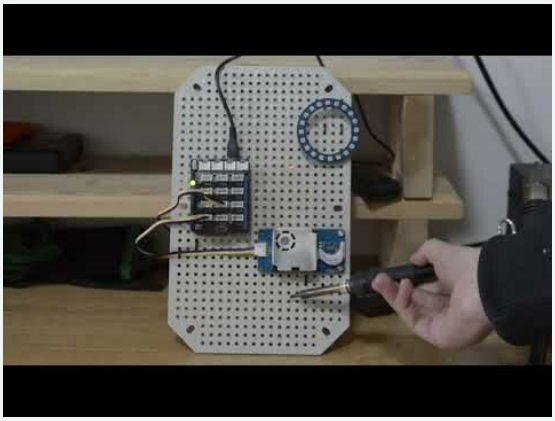
Low noise and Ultra-low power consumption

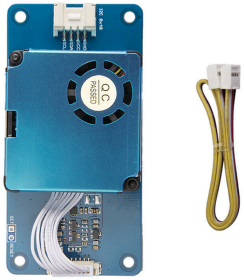
05 **Grove compatible interface**

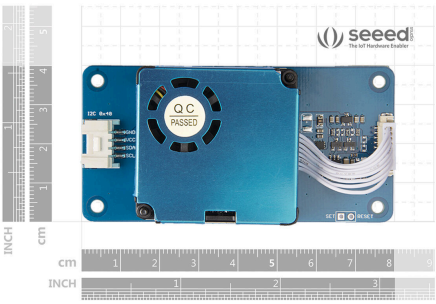
The product ensures "Plug and Play" and could be versatile for various applications of Grove

# Product Gallery






# Resource Links

- https://www.seeedstudio.com/Grove-Laser-PM2-5-Sensor-HM3301.html
- Grove - Laser PM2.5 Sensor (HM3301) Eagle Files
- Seeed_PM2_5_sensor_HM3301 Software Library
- Datasheet HM3301

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