

PM2.5, PM10 & PM1 detection

Laser type Particulate Matter sensor

Panasonic
INDUSTRY



Small size laser sensor to detect floating particle in the air

Particulate Matters (PM) sensors are reliably able to detect smoke, environmental dust and other unwanted dangerous pollutant in the air that surrounds us. SN-GCJA5 type has an excellent accuracy and quick response based on laser scattering technology and is coming in remarkably small dimensions of only 37x37x12mm. The long-life PM sensor offers an uncomplicated I²C & UART (TTL) connectivity - and surpasses LED-based concepts in several regards.

Key Features

- PM2.5, PM10 & PM1 detection
- Laser diode for high accuracy, sensitivity and quick response
- Unique auto calibration function
- Minimize dust accumulation by optimized air pathway structure
- μ P inside analyzes the wave profile and output a converted mass-density ($\mu\text{g}/\text{m}^3$) through I²C & UART interface



Building Automation

- Air quality monitoring
- HVAC
- Air conditioner



Smart Home

- HVAC
- Air purifier
- IoT devices



Test & Measurement

- Test & Measurement
- Environmental monitoring



For further Information, please contact info@eu.panasonic.com