



An extremely power efficient NDIR CO₂ sensor CM1108UL

Features

- Excellent power consumption
- Design for battery device application
- LED technology
- High accuracy, RESET/WELL compliant (Note1)

Applications

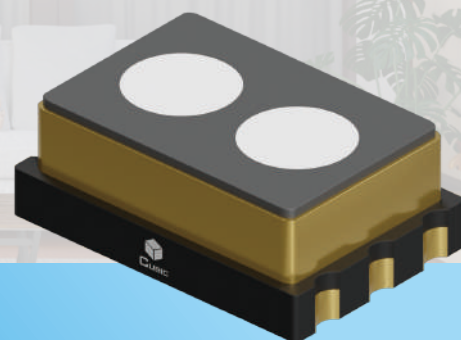
- Battery powered air quality monitor
- Ventilation system
- Consumer electronic products

Specifications

Measurement range	400-5000ppm
Working temperature and humidity	-10°C ~ 50°C, 0-95%RH (non-condensing)
Accuracy	± (40ppm+3% of reading) (Note2)
Power supply	DC 3.3V-5.5V
Average working current	≤30uA (Continuous measurement mode,16s,8samples)
Dimensions	W33.5*H19.7*D9.1 (mm)
Signal output	UART / IIC
Life span	≥15 years

Note1: The accuracy standard quotes "The RESET™ Air STANDARD for Accredited Monitors v2.0", copyright © 2018 RESET™.

Note2: In normal IAQ applications, accuracy is defined with 10°C~35°C, 0~85%RH.



Small size NDIR CO₂ sensor

Features

- NDIR technology
- Ultra-compact design
- SMD mounted, improve assembly efficiency

Applications

- Air quality monitor
- Ventilation system
- Consumer electronic products

Specifications

Dimension	W18*H7.5*D6 (mm)
Accuracy	± (40ppm+3%)
Measurement Range	400~5,000ppm
Average working current	≤18mA
Working Current	DC3.3V-5.5V
Signal output	UART /IIC
Lifespan	≥15 years
Working temperature and humidity	-10°C~50°C,0-95%RH (non-condensing)

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All products are in continuous development and therefore specifications may be subject to change without prior notice.