

COZIR-LP2 5000PPM CO2 SENSOR

GC-0034

The CozIR®-LP2 5000ppm CO2 Sensor holds the lowest power and longest lifespan of an infrared CO2 sensor available today, with I2C interface.

FEATURES

- Solid-state, no moving parts, no heated filaments
- Vibration and shock resistant
- Digital (UART) and I2C output
- Up to 50x lower power than typical NDIR CO2 Sensor
- Compact for easy instrumentation integration
- Long lifespan, low maintenance
- Ideal for wireless, portable, wearable and self-powered systems
- Supports energy-efficient smart home environments

SPECIFICATIONS

- **Sensing Method:** Patented solid-state NDIR absorption
- **Measurement Range:**
 - 0-2000ppm
 - 0-5000ppm
 - 0-1%
- **Response Time:** 30 secs - 3 mins
- **Accuracy:** $\pm(45\text{ppm} + 3\% \text{ of reading})$
- **Operating temperature range:** 0-50°C
- **Operating humidity range:** 0-95%RH (non-condensing)
- **Sensor Life Expectancy:** 15 years
- **Dimensions:** 1.22 x 0.77 x 0.31 in.

ELECTRICAL

- **Power Input:** 3.25 to 5.5V. (3.3V recommended)
- **Power Consumption:** 3mW
- **Connector:** 2 x 6-way 1.27mm header

ADDITIONAL

INDUSTRIES



Indoor Air Quality



Agriculture



Modified Atmospheric Packaging



Safety