



SPRINTIR-R CO2 SENSOR GC-0031

The SprintIR®-R 5% CO2 Sensor takes 50 readings per second, which makes it ideal for many industries and applications requiring high-speed requirements and rapidly changing CO2 levels.

FEATURES

- High-speed sensing and fast response (50hz)
- Low power energy consumption - 35mW
- Solid state
- Vibration and shock-resistant
- Compact size for utilization in instruments and portables
- Integrates with wireless IoT networks such as Wifi, Bluetooth, SigFox, ZigBee and EnOcean
- RoHS compliant
- Digital (UART) output

SPECIFICATIONS

- **Sensing Method:** Patented solid-state NDIR absorption
- **Measurement Range:** 0-5%
- **Response Time:** Flow rate dependent
- **Accuracy:** $\pm(70\text{ppm} +5\%$ of reading)
100% range $\pm(300\text{ppm} +5\%$ of reading)
- **Operating temperature range:**
 - 0 to 50°C (standard)
 - -25 to 55°C (extended range)
- **Operating humidity range:** 0–95%RH (non-condensing)

ELECTRICAL

- **Power Input:** 3.25 to 5.5V. (3.3V recommended)
- **Peak Current:** 100mA
- **Average Current:** <15mA
- **Power Consumption:** 35mW
- **Connector:** 4 x 0.5mm sq pins

INDUSTRIES



Healthcare



Food Packaging



Transportation