



SPRINTIR-R 20% CO2 SENSOR GC-0032

The SprintIR®-R 20% CO2 Sensor is the fastest CO2 sensor in the market, currently. This sensor's main competitive advantage is its response rate, which is 2.5X faster than the original fast response NDIR CO2 Sensor, SprintIR®-6S.

FEATURES

- Ultra-fast response rate - 50hz
- Miniature, compact size for easy integration
- Solid state
- Unique patented LED technology
- Vibration and shock resistant
- RoHS compliant
- Digital (UART) output
- Integrates with wireless IoT networks such as ZigBee, Wifi, LoRa, Bluetooth, SigFox and EnOcean

SPECIFICATIONS

- **Sensing Method:** Patented solid-state NDIR absorption
- **Measurement Range:** 0-20%
- **Sample Method:** Flow through adaptor
- **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