CO2METER.COM
CO2 MEASUREMENT SPECIALISTS

SPRINTIR-R 100% CO2 SENSOR
GC-0033

The SprintIR®-R 100% 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

- 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:** 0-100%
- **Response Time:** Flow rate dependent
- **Accuracy:** ±(70ppm +5% of reading) 100% range ±(300ppm +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

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