

## K30 10% CO2 SENSOR SE-0118

The K30 10% (100,000 ppm) carbon dioxide sensor module is a maintenance-free transmitter module intended to monitor high levels of CO<sub>2</sub> found in storage tanks or biological applications.

## FEATURES

- **OUR MOST POPULAR SENSOR**
- Most common type of sensor to measure CO<sub>2</sub>
- Simple to install, pre-calibrated and ready-to-use
- Proven reliability, low cost
- Flexible analog and digital outputs
- Scalable Analog voltage outputs

## INDUSTRIES



Indoor Air Quality



Agriculture



Medical



Research

## SPECIFICATIONS

- **Sensing Method:** NDIR with ABC (Automatic Baseline Correction)
- **Measurement Range:** 0-10% CO<sub>2</sub>
- **Rate of Measurement:** every 0.5Hz (2x/sec.)
- **Response Time Diffusion:** 20 secs
- **Response Time Sample Draw:** ~2 seconds @ .5 l/min tube gas flow
- **Accuracy:** ± 300 ppm ± 3 % of measured value (up to 3% CO<sub>2</sub>)
- **Operating temperature range:** 0-50°C
- **Operating humidity range:** 0-95%RH (non-condensing)
- **Warm-up Time:** < 60 secs
- **Outputs:** 2 analog, 2 digital
- Analog output pre-set to 3% - up to 10% available upon request
- **Programmable Range:** 0-100,000 ppm (custom configuration available)
- **Sensor Life Expectancy:** 15 years
- **Dimensions:** 2 × 2.2 × .67 in

## ELECTRICAL

- **Power Supply:** 4.5-14 VDC
- **Current Consumption:** 40mA average, < 300mA peak
- **Sampling Method:** Diffusion (sampling kit optional)

## CONFORMANCE WITH STANDARDS

- **Emission:** EN61000-6-3:2001
- **Immunity:** EN61000-6-2:2001
- **RoHS directive:** 2002/95/EG

## ADDITIONAL MODELS

- **CM-0049 - Development Kit**
  - Easy to use, simply plug the K-30 10% sensor module into your PC via USB. Use our free GasLab® software to measure and graph carbon dioxide levels, to configure the sensor or for data logging.
- **SE-0118-C - K30 Sensor**
  - Allows you to order custom analog or digital outputs for your application.