

# EvaluatIR-M

- **Autonomous CO<sub>2</sub> Evaluation**
- **Real Time Recordings of CO<sub>2</sub> Levels**
- **Measures Full Suite of Other Environmental Parameters**



## About the EvaluatIR-M

The EvaluatIR-M evaluation kit provides users with a convenient way to evaluate GSS CO<sub>2</sub> sensor technology in an easy-to-use battery-powered package. The EvaluatIR-M integrates the ExplorIR®-M sensor module that uses patented NDIR solid-state LED optical technology to deliver consistent and accurate CO<sub>2</sub> measurements.

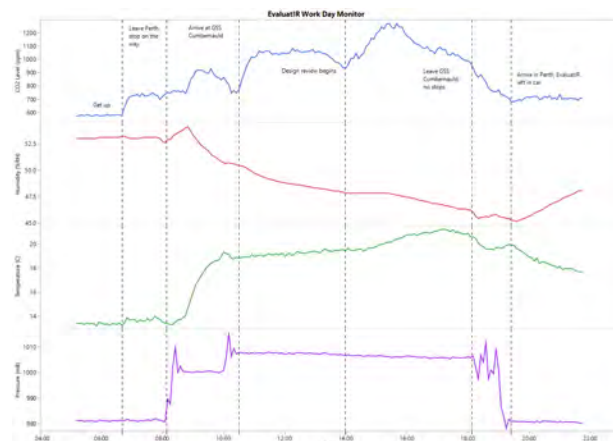
The evaluation kit measures CO<sub>2</sub> over a 0-20% or 0-100% range as well as relative humidity, temperature and barometric pressure. The evaluation kit connects to a PC via a USB port and includes software that allows the user to stream data to the PC. All recorded data is time-stamped allowing users to easily analyse CO<sub>2</sub> sensor behaviour.

The evaluation kit will operate for up to 12 months on 2 x AA batteries (not included).

## In the Kit

- EvaluatIR-M Module
- USB Cable
- Evaluation Software
- Protective Carry Case

## Software Interface



# EvaluatIR-M

## Ordering Information

EVALUATIR-M - X

x	Measurement Range
20	0-20%
100	0-100%

<https://www.gassensing.co.uk/product/evaluatir-m/>



## CO<sub>2</sub> Sensor Specifications

Measurement Ranges	0-20%, 0-100%
Accuracy (typ.)	0-20% ±(70ppm +5% of reading) 0-100% ±(300ppm +5% of reading)
Response Time	2 Minutes (Diffusion limited)
Readings per Second	2
Sample Method	Solid-state LED NDIR Diffusion

## Electrical and Mechanical Specifications

Measurement Output	USB Mini to PC Application
Power	2 x AA Batteries
Dimensions and Weight	145mm x 95mm x 35mm, 225g

## Operating Conditions

Operating Conditions - Temperature	0°C to 50°C
Operating Conditions - Humidity	0-95% RH, non-condensing
Storage Conditions - Temperature	-30°C to +70°C
Pressure Dependence	0.15% of reading per mbar
Sensor Lifetime	>15 years
Environmental Compliance	RoHS and REACH