

EvaluatIR-A

- Autonomous CO₂ evaluation
- Real time recordings of CO₂ levels
- Measures full suite of other environmental parameters



About the EvaluatIR-M

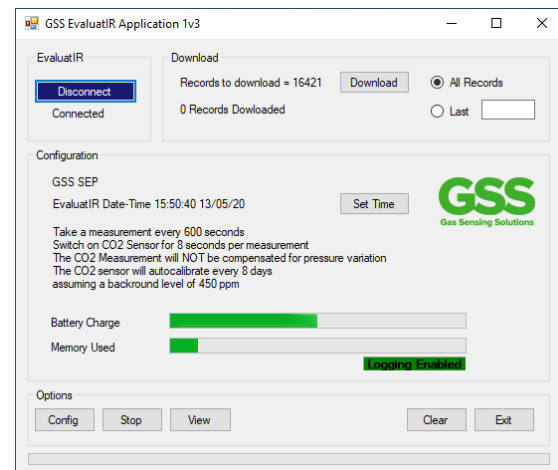
The EvaluatIR-A evaluation kit provides users with a convenient way to evaluate the GSS CozIR[®]-A CO₂ sensor in an easy-to-use battery-powered package. Inside, the CozIR[®]-A sensor uses patented NDIR solid-state LED optical technology to deliver consistent and accurate CO₂ measurements.

The EvaluatIR-A evaluation kit measures and records CO₂ over a 0-1% 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 download the recorded data, in a format suitable for import into Excel or other data analysis tools. All recorded data is time-stamped allowing users to easily analyse CO₂ sensor behaviour. The evaluation kit will operate for up to 12 months on 2 x AA batteries (not included).

In the Kit

- EvaluatIR-A Module
- USB Cable
- Protective Carry Case

Software Interface



EvaluatIR-A

Ordering Information

EVALUATIR - A - X

| x | Measurement Range |
|---|-------------------|
| 1 | 0-1% |



CO₂ Sensor Specifications

| | |
|----------------------------|--------------------------------|
| Measurement Ranges | 0-1% |
| Accuracy (typ.) | ±(30ppm, +3% 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 | -40°C to +70°C |
| Pressure Dependence | 0.15% of reading per mbar |
| Environmental Compliance | RoHS and REACH |

Humidity and Sensor Specification

| | |
|-----------------------------------|-------|
| Humidity Measurement Range | 0-95% |
| RH Accuracy @ +25°C | ±3% |
| Repeatability @ +25°C | ±1% |

Temperature Sensor Specification

| | |
|--------------------------------------|--------|
| Temperature Measurement Range | 0-50°C |
| Accuracy 0- 50°C | ±0.5°C |
| Repeatability @+25°C | ±0.1°C |

Pressure Sensor Specification

| | |
|-----------------------------------|-----------|
| Pressure Measurement Range | 50-110kPa |
| Accuracy 0- 50°C | ±0.4kPa |
| Repeatability @+25°C | ±0.05kPa |