

DIGITAL GAS MONITOR FOR CONTINUOUS MONITORING OF GAS CONCENTRATIONS IN AIR

INFRA Gas Monitor

The INFRA Gas Monitor integrates with INFRA's construction monitoring system.

Harmful concentrations of gases may occur during construction. To protect workers and to ensure compliance to regulations, e.g. the air quality directive, the INFRA system can monitor and document air quality.

The INFRA Gas monitor is a modular system for continuous monitoring of various gases. Each monitor can house up to six sensors which measures different types of gases from the selection below (additional gas monitoring sensors are available upon request). The monitor can be directly connected to Sigicom's INFRA monitoring system with ready-made solutions for data communication, and web presentation of measurement data.

Gases:

- CH₄ (Methane)
- CO (Carbon monoxide)
- CO₂ (Carbon dioxide)
- NO (Nitric oxide)
- NO₂ (Nitrogen dioxide)
- SO₂ (Sulfur dioxide)
- O₃ (Ozone)
- VOC (Volatile organic compounds)

Additional gas detection units are available on request.

Each gas sensor is connected to an A/D box which delivers digital data to a connected INFRA Mini/Master/Micro. This provides a continuous monitoring with the opportunity to identify levels of gas concentrations. It is possible to trigger and send SMS and/or e-mail messages when a certain gas level is above a preset trig level.



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- **Simultaneous monitoring of various gas concentrations**
 - **Can modularly select up to five different gas sensors in one unit**
 - **Alarm levels on each gas type can be set separately**

Technical Data

INTERVAL TIME

1–60 minutes

EXTERNAL POWER

100–240V AC 50–60 Hz power supply

Heating 12W

DIMENSIONS

370 x 320 x 180 mm (H x W x D)

(14 x 12 x 6 in)

SENSOR SPECIFIC TECHNICAL DATA

	Range	Resolution	Operating Conditions	Maintenance interval
CH₄	0...50000 ppm (0...100% LEL)	50 ppm	-40...+70 °C, 15...95 %RH	6 months/clean filter
CO	0...1000 ppm	1 ppm	-20...+50 °C, 15...95 %RH	6 months/clean filter
CO₂	400...10 000 ppm	1 ppm	-40...+50 °C, 0...95 %RH	6 months/clean filter
NO	0...250 ppm	1 ppm	-20...+50 °C, 15...90 %RH	6 months/clean filter
NO₂	0...20 ppm	0,1 ppm	-30...+50 °C, 15...90 %RH	6 months/clean filter
SO₂	0...20 ppm	0,1 ppm	-30...+50 °C, 15...90 %RH	6 months/clean filter
O₃	0...5 ppm	0,01 ppm	-20...+45 °C, 15...90 %RH	6 months/clean filter
VOC	0...500 ppm (0...100% LEL)	1 ppm	-40...+70 °C, 15...90 %RH	6 months/clean filter

Product specifications and descriptions in this document are subject to change without notice.

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