

▶ iGas CO₂

Portable CO₂ gas detector



Technical specifications

Function: Portable CO₂ detector diffusion mode

Sensor type: Non-dispersive infrared sensor (NDIR)

Average sensor lifespan: > 5 years

Measure range: 0 - 5%/vol.

Resolution: 0.1% / vol.

Display:

- Large LCD display
- Real-time concentration
- Battery life display

Alarms:

- Sound: 90 dB buzzer
- Visual: red LED flashing
- Alarm level selectable via PC software

PC software:

- Communication by mini USB cable
- Device configuration and setting
- Display of the latest alarm events

Power supply: Li-ion battery

Autonomy: > 7 days fully charged

Charger: Mini USB type

Housing: Polycarbonate and rubber

Protection index: IP66 / 67

Dimensions (H x W x D): 91 x 54 x 22 mm

Weight: 93 grams

Operation:

- Temperature: -20 to +50 °C
- Humidity: 5 to 95% RH (non-condensing)

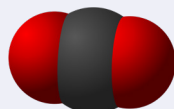
2 years warranty

Product description

Equipped with an infrared sensor (NDIR), the iGas is a reduced size, light and easy to use portable CO₂ detector. Its large graphical liquid crystal display clearly shows the concentration of carbon dioxide in the air.

With an excellent quality / price ratio, It is particularly suitable in the food industry, wine-making or maturing cellars, industrial breweries, agro-food storage and all applications requiring CO₂ level in ambient air monitoring.

▶ The dangers of carbon dioxide



Present naturally at low doses in the atmosphere, carbon dioxide remains a latent risk in all industrial, tertiary and confined environments.

Colorless, odorless and heavier than the oxygen it takes up, it accumulates in poorly ventilated spaces and confined spaces such as tunnels, crawl spaces or tanks. In winemaking this is a major danger, during the alcoholic fermentation of the must, one liter of wine produces 44 liters of CO₂!

Non-toxic and non-flammable, the main risk associated with the presence of carbon dioxide is asphyxiation. It thus replaces oxygen in the blood, causing unconsciousness and then death if nothing is done (installation of ventilation, danger zone evacuation, etc.).

▶ The iGas CO₂ detector assets

Designed for individual monitoring in an industrial environment, the iGas portable CO₂ detector is a flexible and easy-to-use device, very compact and weighing less than 100 grams.

- Very precise non-dispersive infrared technology (NDIR)
- Average lifespan greater than 5 years
- Very long autonomy (more than 7 days)
- Permanent display of the CO₂ content
- Water and dust resistant
- Data logger function
- Excellent value

▶ The iGas CO₂ detector application fields

- Wine making sector (wine cellars, cellars)
- Maturing cellars (industrial cheese dairies)
- Industrial breweries and barrel storage
- Agrifood industries
- Food or sports cryogenics
- Agronomic sector (greenhouses, mushroom houses)
- Air quality analysis (schools, ERP, etc.)
- Confined or poorly ventilated spaces