

iGas Detector CO₂

Portable Carbon Dioxide(CO₂) Detector



DESCRIPTION

iGas Detector CO₂ is a reliable, portable single gas detector designed to continuously monitor carbon dioxide (CO₂) levels in ambient environments. Equipped with a high-performance NDIR (Non-Dispersive Infrared) sensor, it detects CO₂, a colorless, odorless toxic gas that can cause asphyxiation or narcotic effects in poorly ventilated or confined spaces. iGas Detector CO₂ alerts users to potential danger with LED indicators, vibrating, and audible alarms when gas concentration exceeds preset thresholds. Settings can be adjusted manually or via PC software, ensuring safety and compliance in various operational environments.

KEY FEATURE

- IR sensor technology
- Measured by %Vol and ppm
- Rechargeable Li-ion battery
- Automatic logging of up to 30 events
- Up to 14 days of operation on a single full charge
- Lightweight : 135g
- Exchangeable international wall plug kit
- Easy configuration and data management through PC software
- Configurable calibration, bump test, self-test due warning

SPECIFICATION

Model	iGas Detector CO ₂
Sensor Type	NDIR(Non-Dispersive Infrared)
Measuring Type	Diffusion Type
Case Material	Rubber Enclosure
Dimension	54(W) x 99.5(H) x 38.8(D)mm / 2.13(W) x 3.92(H) x 1.53(D) inch
Weight	135g / 4.76oz
Operating Temperature	-20°C to +50°C / -4°F to +122°F
Operating Humidity	5% to 95% RH (Non-condensing)
Operating Life	14 days
Event Log	Most recent 30 alarms
IP	IP 67
Alarm	Visual (Red flashing LEDs and LCD display), Vibrating, Audible (90 dB alarm at 10cm and buzzer)
Display	Liquid Crystal Display (LCD)
Battery	Rechargeable Li-ion (polymer) power supply unit (500mAh)
Charging Time	100 minutes
Components	Calibration Cap, Manual, Calibration and Test Certificate, Charge Cable(USB C-Type) and Adaptor
Certification	EMC, RoHS2, REACH, WEEE

ACCESSORIES



USB Cable (Standard package)
Connects to the computer in order to program configuration and download data log



Sampling Pump
(SP-Pump101)



Extension Probe
5m / 10m

SENSOR SPECIFICATION

Gas	Measuring Range	Low Alarm	High Alarm	Resolution
CO ₂	0~5.0%Vol (50,000ppm)	0.5%Vol (5,000ppm)	1.0%Vol (10,000ppm)	0.01%Vol (100ppm)