



GASDETECTOR

ECOTOX CO₂

PART.NO. 1225025-1225026

PORTABLE SINGLE GASDETECTOR CO₂

GENERAL INFORMATION

- Lifetime with normal use approx. 5 years
- Low maintenance
- Powerful alarm
- Vibration alarm
- LED flash alarm
- LC Display
- Rechargeable

The **ECOTOX** CO₂ is a portable gas detector for the detection of CO₂. The **ECOTOX** is compact, rugged and easy to use.

The **ECOTOX** thanks its name to the combination of its **ECONOMICAL** feature, "low cost of ownership" and **TOXIC** gases. After activating the power button, the detector will operate continuously for about 7 days on one charge with full battery capacity. The remaining battery capacity can be read from the LC Display by means of the segments in the battery. Before an unsafe situation arises, the detector alarms with a powerful acoustic signal, intense flashing red LEDs, display and a vibration alarm. Hear, see and feel!

The portable detector is composed of a robust protective housing with a sturdy stainless steel crocodile clip, a LC display with indication of battery status and measured CO₂ concentration and a power and push button for easy navigation through the menu. Due to its ergonomic/robust construction and its low weight, the **ECOTOX** is particularly suitable for use under harsh conditions, such as refineries, chemical industry, waste water treatment, etc. to accomplish its safety task to the maximum. The degree of protection of the **ECOTOX** CO₂ is IP66/67.

This **ECOTOX** CO₂ detector is not intended for use in EX zones (not explosion proof certified).

The device uses a low power NDIR sensor for fast and accurate detection. The low power consumption of the **ECOTOX** CO₂ provides a (battery) usage time of more than seven days in continuous use, with one recharge.



The **ECOTOX** CO₂ has adjustable alarm levels, can be charged by means of a supplied USB charging cable and network adapter, and can be read out (data logging).

APPLICATIONS:

- + Food industry
- + Water treatment / waste water
- + Steel and paper industry
- + Beer breweries
- + Cooling

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SEGMENTS:

- + Tailored advice
- + Project management
- + Technical support
- + Training and education
- + Commissioning
- + Onsite service / maintenance / calibration
- + Rentals

ORDERING INFORMATION

VERSION							
DESCRIPTION	PART NO.	GAS TYPE	MEASURING RANGE	LOW ALARM	HIGH ALARM	OPERATING TEMPERATURE	RELATIVE HUMIDITY (N.C.)
Ecotox CO ₂	I225025	CO ₂	0-5% Vol. CO ₂	0,5% Vol. CO ₂	1,5% Vol. CO ₂	-20 tot +50 °C	5-95%
Ecotox CO ₂	I225026	CO ₂	0-50.000 ppm CO ₂	5.000 ppm CO ₂	15.000 ppm CO ₂	-20 tot +50 °C	5-95%

ACCESSOIRES			
OPTION		PART NO.	DESCRIPTION
Calibration		9990600	Reducer/controller; Brass/Chrome. (Adjustment of the gas pressure when the instrument is directly connected to the gas bottle)
Cylinders		9990548	BUGAS CO2 1 vol%/air 1 l 10l

SPECIFICATIONS

PRODUCT	ECOTOX CO ₂
Operation	Continuous, after activating the power button (minimum of approx. 7 consecutive days without recharging)
Dimensions	54 x 91 x 42 mm (WxHxD)
Weight	93 grams
Housing	Rubber
Measuring principle	NDIR diffusion principle (non-dispersive infrared light)
Battery	Rechargeable Li-ion (polymer) battery (500mAh)
Charging time	100 minutes
Storage temperature	0 to 20°C
Display	LC display with indication of measured concentration and battery capacity
Alarms	Alarm values, low, high, STEL and TWA
Alarm indicators	Sound: Buzzer > 90 dB at 10 cm distance Visual: Red flashing LEDs, display reading Sense: Vibration alarm
Mounting	Heavy duty crocodile carrying clip
Accessoires	Calibration cap, charging cable (USB-C type) and adapter
Approval	EMC directive 2014/30EU
Supplier	BUVECO Gasdetection BV, a Consilium Group Company

SENSOR SPECIFICATION

GAS	STANDARD MEASUREMENT RANGE	STANDARD LOW ALARM	STANDARD HIGH ALARM	PART NO.
CO ₂	0-5.0% vol CO ₂ 0-50.000 ppm CO ₂	0,5% vol CO ₂ 5.000 ppm CO ₂	1,5% vol vol CO ₂ 15.000 ppm CO ₂	1225025 1225026

