GAS DETECTOR
ECOTOX

PART.NO. **1225300-1225334**

PORTABLE SINGLE GAS DETECTOR O$_2$, H$_2$S, CO,

GENERAL INFORMATION

- 2 Year disposable gas detector
- Low maintenance
- Power full alarm
- Vibration alarm
- Clear color coding for each gas type
- ATEX / IECEx approved
- LC Display

The **ECOTOX** is a portable "disposable" gas detector which detects Oxygen (O$_2$), Hydrogen Sulphide (H$_2$S) or Carbon Monoxide (CO). The ECOTOX is compact, rugged and easy to use.

The **ECOTOX** thanks his name to the combination of it's **ECO**NOMICAL feature: "low cost of ownership" and TOXIC gases. The detector is activated with a one-button action and will operate continuously during two years without maintenance. The remaining life span is continuously displayed in months, then days and then hours. When the user is exposed to a level of gas in excess of the alarm level, the **ECOTOX** will demand attention. The detector alarms with a loud audible signal, a rapid flashing visual alarm as well as an internal vibration alarm.

The portable detector is composed of a robust EMC protected housing with sturdy crocodile clip, a LC display displaying remaining life time, status, start / test push button for activation and periodic self-test.

Due to its minimal weight and ergonomic, robust construction, the **ECOTOX** is particularly suitable for use under harsh conditions, such as refineries, chemical industry, fire brigades, etc. to accomplish its safety task to the maximum.

Explosion safety, this detector is ATEX and IECEx certified and can be used in Ex zones because of its intrinsic safety design.

APPLICATIONS:
- Chemical Industry
- Refineries
- Waste water treatment
- Boiler houses
- Steel Industry
- Emergency services (fire brigade, etc.)
- Food industry

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- Training and education
- Commissioning
- Onsite service / maintenance / calibration
- Rentals

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ORDERING INFORMATION

VERSIONS							
DESCRIPTION	PART NO.	GAS TYPE	MEASURING RANGE	LOW ALARM	HIGH ALARM	OPERATING TEMPERATURE	RELATIVE HUMIDITY (N.C.)
Ecotox H_2S	1225300 I	Hydrogen Sulfide (H_2S)	0 – 100 ppm	10 ppm	15 ppm	-20 tot +50 °C	15-90%
	1225300 A/I						
	1225303 I		0 – 20,0 ppm	1,6 ppm	2,4 ppm		
	1225303 A/I						
Ecotox CO	1225301 I/F	Carbon Monixide (CO)	0 – 500 ppm	20 ppm	100 ppm	-20 tot +50 °C	15-90%
	1225301 A/I/F						
Ecotox CO (LHS)*	1225334 I/F						
	1225334 A/I/F						
Ecotox O_2	1225302 A/I	Oxygen (O_2)	0 – 25 Vol%	19,5 Vol%	22,5 Vol%	-20 tot +55 °C	15-90%
	1225302 E/I						

* Low sensitivity to hydrogen

FUNCTION DESCRIPTION (FOUND IN PART NUMBER)	
TYPE	DESCRIPTION
A	Read-out current value during alarm status
E	Continuous readout of actual value (only Oxygen version)
F	Data log: measured values are stored in internal memory (standard with CO)
I	On / Off function, in case the detector is not used it can be switched off

ACCESSOIRES			
OPTION		PART NO.	DESCRIPTION
Testgas cylinders		9990522	Test gas for the CO detector, 100 ppm CO in air.
		9990507	Test gas for the H_2S detector, 10 ppm alarm (25 ppm H_2S in N_2)
		9990524	Test gas (N_2) for the O_2 detector
		9990540	Test gas for the H2S detector, 1.6 ppm alarm (10 ppm H2S in N2)

The specifications described herein are subject to change without notice.

DATA SHEET ECOTOX_1225300-1225334_2025_EN_v2.06

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SPECIFICATIONS

PRODUCT	ECOTOX
Life time	24 Months (at 5 minutes alarm per day)
Operation	continuous, after activation (Alternative: On / Off "ordering option 1")
Dimensions	82 x 56 x 42 mm
Weight	Approx. 100 grams
Housing	PC and TPU
Measuring principle	Electrochemical sensor
Battery	Lithium
Storage temperature	0 to 20°C
Display	LC-display, displaying alarm values, remaining life time & status
Alarm settings	2 alarm setting. Low and high
Alarms	Sound: Buzzer > 90 dB / 30 cm Visual: Red flashing LED's & Display read out Sense: Vibration alarm
Mounting	Heavy duty crocodile carrying clip
CE marking	ATEX (Directive 2018/34/EU) Electromagnetic Compatibility (Directive 2014/30/EU)
Approvals	ATEX II 2 G Ex ia IIC T4 Gb IECEx Ex ia IIC T4 Gb
Manufacturer	Consilium Safety Netherlands B.V.