



Personal Protection
Toxic Gas Concentrations
Health and Safety


Personal protection for hazardous environments

Depending on the type of sensor fitted this single gas detector measures hazardous concentrations of oxygen (O_2), or toxic gases such as hydrogen sulphide (H_2S), carbon monoxide (CO), sulphur dioxide (SO_2). The μGAZTOX™ is an essential tool for on-site safety of professionals.

Benefits

- Easy to use
- Robust and compact design
- Powerful alarms
- Low maintenance
- 2 year warranty

Features

- Audio alarm 95db
- Visual alarm (LED)
- Rugged and lightweight
- Wide LCD screen, easy to read
- Optional accessories
- Water resistant - IP67
- Atex certified 

Applications

- Waste disposal centres, silos, etc
- Water treatment works
- Power stations, nuclear power plants
- Petro-chemical industry
- Industrial safety
- Miscellaneous work sites



Technical Specifications

μGAZTOX™

PHYSICAL

Display	<ul style="list-style-type: none"> Liquid crystal digital display with icons and backlighting. Continuous display of type of gas detected, gas concentration, and battery capacity. Max. and min. instantaneous measured values, TWA (Time Weighted Average over 8 hours) and STEL (Short Time Exposure Limit - average over 15 minutes), max. and min. measured values. Alarms: Max, Min, TWA, STEL
Keypad	Single control key (three-direction joystick)
Power Supply	<ul style="list-style-type: none"> Lithium battery, 3.6 Volts, 1100 mAh 2 years operational life
Alarms	<ul style="list-style-type: none"> Visual: - flashing red LEDs - display of ALARM message, alarm type and alarm threshold Audible, dual-tone alarm, < 95 dB at a distance of 30cm Vibro alarm: powerful, suitable for noisy environments
Alarm Thresholds	<ul style="list-style-type: none"> Adjustable High and Low instantaneous alarms for oxygen Adjustable High instantaneous alarm for toxic gases Alarms for TWA value (Time Weighted Average over 8 hours) and STEL (Short Time Exposure Limit - average over 15 minutes)
Housing	Rugged, watertight and impact resistant elastomer housing


DIMENSIONS AND WEIGHT

Dimensions	H 94 mm x W 48 mm x 28 mm
Weight	91 g with fastening clip

GENERAL

Measurement Principle	Electrochemical cell
Measurement Unit	ppm for toxic gases and % vol. for oxygen
Response Time	< 20 seconds
Tests	<ul style="list-style-type: none"> Self-test at start-up of all key functions (circuit board, sensor, battery) Continuous battery test
Conditions for use	<ul style="list-style-type: none"> Humidity: from 15% to 95% RH Temperature: from -20°C to +50°C
Protection Index	IP 67 (protection against dust and effects of brief immersion in water)
Warranty	2 years, including sensor
Maintenance	Sensor and battery easily replaceable

CERTIFICATION

Certifications	<ul style="list-style-type: none"> CE 0080 marking EMC: Directive 89/336 CE CEM ATEX: II 1G  Ex ia IIC T4, in compliance with European standards of use in explosive atmospheres EN 60079-0, EN 60079-11
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Technical Specifications

μGAZTOX™ cont'd.

MEASUREMENT CHARACTERISTICS

Sensor	Measurement Range	Resolution	Instantaneous Alarms		Limit Values	
			High	Low	VLE (STEL)	VME (TWA)
Oxygen (O ₂)	0 - 30 % Vol.	0.1 % Vol.	23 % Vol.	19 % Vol.	-	-
Carbon Monoxide (CO)	0 - 1000 ppm	1 ppm	300 ppm	-	100 ppm	50 ppm
Hydrogen Sulphide (H ₂ S)	0 - 100 ppm	1 ppm	30 ppm	-	10 ppm	5 ppm
Sulphur Dioxide (SO ₂)	0 - 20 ppm	0.1 ppm	10 ppm	-	5 ppm	2 ppm
Ammonia (NH ₃)	0 - 1000 ppm	15 ppm	100 ppm	-	20 ppm	10 ppm

This list of sensors is not exhaustive - please contact us for any specific requirements

ACCESSORIES (see top of Page 1)

The μGAZTOX™ is supplied ready -to-use with the following accessories:

1. Calibration cap-adaptor
2. Neck strap
3. Crocodile clip
4. Fastening clip for belts, pockets or safety helmets
5. T8 screwdriver
6. 3.6V Lithium battery (not shown)
7. User manual (not shown)