

TECHNICAL SPECIFICATIONS

μGAZTOX™

- Measurement principle :**
- Electrochemical cell
- Measurement unit :**
- ppm for toxic gases and % vol. for oxygen
 - Automatic zero-setting
- Response time :**
- < 20 seconds
- Display :**
- 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 :**
- Lithium battery, 3.6 Volts, 750 mAh
 - 2 years operational life
- Alarms :**
- Visual:
 - flashing red LEDs which are visible from all 4 angles.
 - display of ALARM message, alarm type and alarm threshold
 - Audible, dual-tone alarm, < 95 dB at a distance of 30 cm
 - Vibro alarm : powerful, suitable for noisy environments
- Alarm thresholds :**
- 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 value (Short Time Exposure Limit - average over 15 minutes)
- Tests :**
- Self-test at start-up of all key functions (circuit board, sensor, battery)
 - Continuous battery test
- Housing :**
- Rugged, watertight and impact resistant elastomer housing
- Dimensions :**
- H 94 mm X W 48 mm X 28 mm
- Weight :**
- 91 g with fastening clip
- Conditions for use :**
- 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
- Certifications :**
- CE 0080 marking
 - EMC : Directive 89/336 CE CEM
 - ATEX : II 1G Ex ia IIC T4, -20°C ≤ Ta ≤ +50°C, in compliance with European standards of use in explosive atmospheres.

un-impresions 03/2011 - Pictures not binding on GAZOMAT™ - Specifications are subject to change without notice - REF Toximètre mono_020_E_09_08_Rev03 (du_04_11)

Personal protection for hazardous environments



μGAZTOX™

Oxygen and toxic gas detector

- Easy to use - single control key
- 2 years warranty
- Maintainable
- Resistant to water - IP 67 protection - ATEX certification

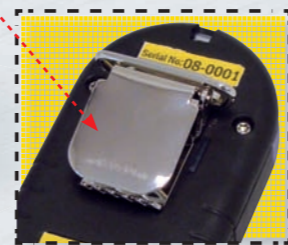
The μ Gaztox™ detector is a personal protection device designed for use by operators who may be exposed to hazardous gas concentrations in their workplace. Depending on the type of sensor fitted this single gas detector measures hazardous concentrations of oxygen (O₂) or toxic gases such as hydrogen sulphide (H₂S), carbon monoxide (CO), sulphur dioxide (SO₂) or other gases. The μ Gaztox™ is an essential tool for on-site safety of professionals.

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	200 ppm	50 ppm	100 ppm	50 ppm
Hydrogen sulphide (H ₂ S)	0 – 100 ppm	1 ppm	30 ppm	15 ppm	10 ppm	5 ppm
Sulphur dioxide (SO ₂)	0 – 20 ppm	0.1 ppm	10 ppm	5 ppm	5 ppm	2 ppm
Chlorine (Cl ₂)	0 – 10 ppm	0.1 ppm	5 ppm	2.5 ppm	1 ppm	0.5 ppm
Ammonia (NH ₃)	0 – 1000 ppm	15 ppm	100 ppm	50 ppm	20 ppm	10 ppm
Ozone (O ₃)	0 – 10 ppm	0.03 ppm	5 ppm	2 ppm	0.2 ppm	0.1 ppm
Hydrochloric acid (HCl)	0 – 20 ppm	0.2 ppm	5 ppm	2.5 ppm	5 ppm	2.5 ppm
Nitrogen dioxide (NO ₂)	0 – 20 ppm	0.2 ppm	5 ppm	3 ppm	3 ppm	1.5 ppm

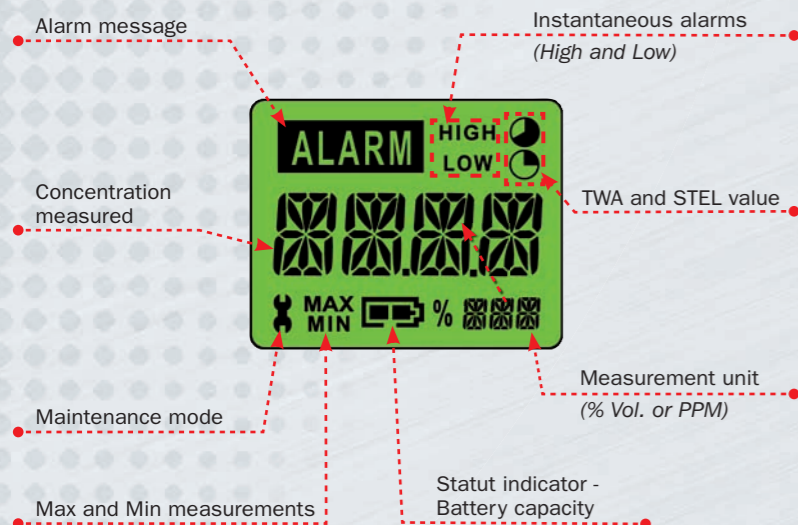
* This list of sensors is not exhaustive - please contact us for any specific requirements

View of μ Gaztox™ (real size)



Extended Applications

- Refineries
- Petrochemical industry
- Miscellaneous work sites
- Industrial maintenance
- Chemical industry
- Fire and rescue brigades
- Industrial safety
- Paper pulp industry
- Water treatment industries
- Shipyards
- Waste disposal centres, silos, tank-cars
- Power stations, nuclear power plants, etc.



Easy to use

- Single control key
- Self-test at start-up
- Displays gas concentrations and status indicators.

Robust and compact design

- Elastomer housing which is resistant to extreme conditions
- High protection index - IP 67
- Fastening clips for hands-free utilisation - can be clipped onto pockets, belts, straps or safety helmets.

Powerful alarms

- Visual (red flashing LEDs)
- Audio (95 dB)
- Vibration.

Alarm Thresholds

- TWA and STEL alarms
- High and low instantaneous alarms for oxygen
- High instantaneous alarm for toxic gases.

Maintainable equipment

- 2 years warranty
- Sensor and battery easily replaceable.

Standard Accessories

The μ Gaztox™ 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).



Optional test kit

- The test kit is made up of:
- Gas cylinder
 - Connecting hose.