



TOX POINT 1000

TOXIC & OXYGEN GAS DETECTOR

TOX Point 1000 is a compact, explosion-proof gas detector for continuous monitoring of oxygen and toxic gases in hazardous areas.

Combining reliable performance, easy maintenance, and cost-effective operation, it provides a practical solution for industrial gas detection applications.

Features and Benefits



Targeted Gas Detection

The WatchGas TOX Point 1000 is engineered specifically for toxic gas and oxygen monitoring. It supports up to 300 detectable gases for diverse industrial applications. Optimized sensing technologies provide reliable, highly selective detection at low concentrations, helping minimize false alarms and enhance worker safety.



Explosion-Proof Design

Certified explosion-proof construction helps prevent secondary explosions and enables reliable toxic gas and oxygen detection in hazardous areas. A lightweight aluminium alloy enclosure and corrosion-resistant stainless-steel sensor housing ensure long-term durability in demanding industrial environments.



Cost-Effective Protection

Designed to deliver reliable gas detection at an economical price point without compromising safety or performance. An ideal solution for facilities seeking dependable protection with a low total cost of ownership.



Easy Maintenance

An integrated FND display simplifies calibration, configuration, and maintenance tasks directly at the detector. Designed for efficient one-person servicing, it reduces maintenance time, lowers labor costs, and minimizes system downtime.



2-Wire or 3-Wire Configuration

The WatchGas TOX Point 1000 has 2-wire and 3-wire models to match your control system architecture. Simplifies installation and integration while supporting a wide range of application requirements.



Flexible Accessories

A wide range of accessories, including splash guards, weatherproof covers, and collecting cones, allows the detector to be tailored to specific applications. Enhances protection, flexibility, and long-term performance.

Product Specifications

Measuring Method	Galvanic Cell	Electrochemical Cell	Electrochemical Cell
Measuring Gas	O ₂	O ₂	Toxic Gas
Response Time (T90)	< 15 seconds	< 15 seconds	< 45 seconds
Sensor Housing Material	SS316	SS316	SS316
Measuring Type	Diffusion Type		
Accuracy	±3% Full Scale		
Output Signal	Analog 4–20 mA Output		
Detector Housing Material	Aluminium Alloy		
Cable Entry Thread	Standard: PF 3/4" Option: PF 1/2", M20 × 1.5P, M25 × 1.5P, NPT 1/2", NPT 3/4"		
Mounting Type	2" Pole Mount, Wall Mount		
Operating Temperature	-20°C to +60°C		
Operating Humidity	5–99% RH (Non-Condensing)		
Dimensions	136(W) × 176(H) × 95(D) mm		
Weight	1.5 kg		

Certification

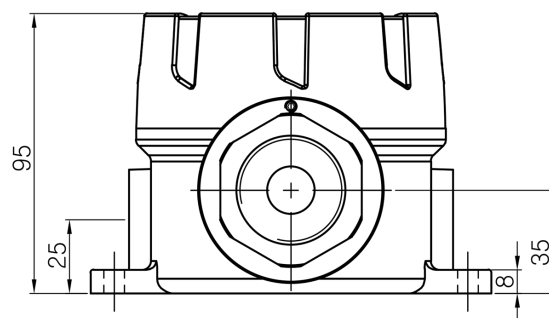
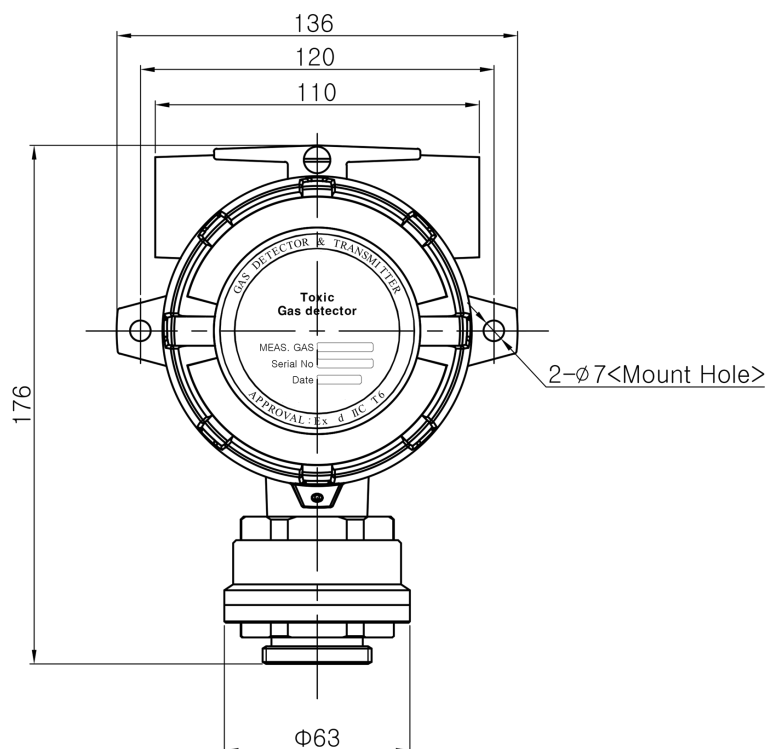
Hazardous Area Approvals	KCs, ATEX, IECEx
Ex Marking	Ex db IIC T6...T4 Gb
Regulatory Compliance	CE (EMC)

Detectable Gases

Gas	Range	Gas	Range
Oxygen (O ₂)	0–25% Vol.%	Fluorine (F ₂)	0–3.0 ppm
Hydrogen Sulfide (H ₂ S)	0–30.0 ppm	Ethylene Oxide (C ₂ H ₄ O)	0–20.0 ppm
Carbon Monoxide (CO)	0–150 ppm 0–300 ppm	Ozone (O ₃)	0–1.0 ppm
Nitrogen Dioxide (NO ₂)	0–10.0 ppm	Arsine (AsH ₃)	0–0.30 ppm
Hydrogen (H ₂)	0–2000 ppm	Bromine (Br ₂)	0–3.0 ppm
Ammonia (NH ₃)	0–75.0 ppm	Diborane (B ₂ H ₆)	0–0.30 ppm
Phosphine (PH ₃)	0–1.0 ppm	Germane (GeH ₄)	0–15.0 ppm
Chlorine (Cl ₂)	0–3.0 ppm	Phosgene (COCl ₂)	0–1.0 ppm
Sulfur Dioxide (SO ₂)	0–10.0 ppm	Silane (SiH ₄)	0–15.0 ppm
Chlorine Dioxide (ClO ₂)	0–1.0 ppm	Formaldehyde (CH ₂ O)	0–10.0 ppm
Nitrogen Monoxide (NO)	0–100 ppm	Acetone (C ₃ H ₆ O)	0–1% Vol.%
Hydrogen Chloride (HCl)	0–3.0 ppm 0–10.0 ppm	Vinyl Chloride (C ₂ H ₃ Cl)	0–30.0 ppm 0–200 ppm
Hydrogen Cyanide (HCN)	0–30.0 ppm	Benzene (C ₆ H ₆)	0–1500 ppm
Hydrogen Fluoride (HF)	0–6.0 ppm	Toluene (C ₇ H ₈)	0–150 ppm

* This table highlights only a selection of available gases. Contact your WatchGas representative for information on our complete portfolio of detectable gases, measurement ranges, and sensor configurations.

Drawing



Tolerance Limits: ±0.5
Units: mm

Accessories



Splash Guard



TOX Point 1000 collect cone



TOX Point 1000 weather proof cover



TOX Point 1000 SS weather proof cover



TOX Point 1000 calibration cap

Controllers



GTC-100 Smart Controller



COMBI Series System



404+ Remote Monitoring System

Other Fixed Detectors



LEL Point 1000

Flammable Gas Detector



TOX Point 2000

Oxygen, Toxic & VOC Gas Detector



LEL Point 2000

Flammable Gas Detector



NDIR Point 3000

Infrared Gas Detector



VOC Point

PID Gas Detector



ATLAS Pump

Explosion-proof Sampling Gas Detector

Beacon & Sounders



Beacon Sounder



Beacon Sounder ATEX

For more information

www.watchgas.com
info@watchgas.com

/

www.watchgasusa.com
info@watchgasusa.com

/

TOX Point 1000 DS EN V241028 8.26 AB © 2026 WatchGas B.V.

WatchGas is dedicated to continuously improving its products. Therefore, the specifications and features mentioned in this datasheet are subject to change without prior notice.

Distributed by: