

▶ WatchGas UNI

Toxic gas and oxygen detector



Technical specifications

Sensor technology: 34 electrochemical sensor options

Response time: 15 seconds

Display: LCD

Size: 88mm (L) x 62mm (H) x 33mm (P)

Weight: 125 g

Alarm type: High alarm, low alarm, TWA alarm, STEL alarm, over range alarm, battery low alarm, bumptest and calibration due notification

Alarm signal:

- Acoustic: 95dB @ 30cm
- Visual: Red LEDs
- Vibration

Housing: Polycarbonate and rubber

IP-Rating: IP68

Operating conditions:

- Temperature: -20°C to 50°C (-4 to 122°F)
- Humidity: 5% ~ 95% RH (non-condensing)

Battery: 3.6AA Lithium battery for 3 years of operation

Safety certifications:

- UL/cUL: Class I, Div 1, Group A, B, C, D
- Class II, Div 1, Group E, F, G
- Class III, Div 1 T4, -20° C ≤ Tamb ≤ +50° C
- ATEX: II 1 G Ex ia IIC T4 Ga
- IECEX: Ex ia IIC T4 Ga
- CE: European Conformity

Product description

With its ergonomic design, 34 available sensor options, and large, easy-to-read display, the **WatchGas UNI** toxic gas and oxygen monitor is a simple and cost-effective solution for detecting exotic gases in the industry.

Protected by a robust, hermetically sealed housing (IP68), it is water and dust-proof and suitable for use in the harshest industrial environments. Simple navigation provides easy access to configuration, operation, and calibration functions.

The toxic gas and oxygen **WatchGas UNI** detector has two instantaneous alarms (low and high thresholds) and calculates STEL and TWA. Six bright red LEDs provide quick notification of events. It also has an event recorder.

Detectable gases

Gases	Gas Ranges	Resolution
AsH3	0-1 ppm	0.01 ppm
C2H4O	0-20 ppm	0.1 ppm
CH3SH	0-10 ppm	0.1 ppm
Cl2	0-50 ppm	0.1 ppm
ClO2	0-1 ppm	0.01 ppm
CO	0-2000 ppm	1 ppm
COCl2	0-1 ppm	0.01 ppm
ETO	0-100 ppm	0.1 ppm
H2	0-2000 ppm	1 ppm
H2S	0-100 ppm	0.1 ppm
HCl	0-15 ppm	0.1 ppm
HCN	0-100 ppm	0.1 ppm
HF	0-20 ppm	0.1 ppm
NH3	0-100 ppm	1 ppm
NO	0-250 ppm	1 ppm
NO2	0-20 ppm	0.1 ppm
O2	0-25%vol	0.1%vol
O2 Inerting Alarms	0-25%vol	0.1%vol
O2 Lead Free	0-25%vol	0.1%vol
O3	0-5 ppm	0.01 ppm
PH3	0-20 ppm	0.01 ppm
SO2	0-100 ppm	0.1 ppm
THT	0-40 ppm	0.1 ppm