

▶ WatchGas POLI

ATEX Multi-Gas Detector



Technical specifications

Sensor technology: Over 30 interchangeable and field replaceable sensors: electrochemical (toxic gases), catalytic (explosive gases), infrared (explosive gases, CO₂ and N₂O), and PID lamp (volatile organic compounds)

Response time: 15 seconds (LEL/CO/H₂S/O₂)

Display: LCD

Size: 140mm (L) x 84mm (H) x 42mm (P)

Weight:

- 435g (pumped)
- 385g (diffusion)

Alarm type: High alarm, low alarm, TWA alarm, STEL alarm, man down alarm with pre-alarm

Alarm signal:

- Acoustic: 95dB @ 30cm
- Visual: Flashing bright red LEDs
- Vibration

Use conditions:

- Temperature: -20°C ~ + 50°C
- Humidity: 5% ~ 95% RH (non-condensing)

Calibration: 2-point calibration, zero and span

Housing: Polycarbonate and rubber

Ingress rating:

- IP65 (pump version)
- IP67 (diffusion version)

Safety certifications:

- UL : Class I, Div 1, Group A,B,C,D, T4, -20°C ≤ Tamb ≤ +50°C
- IECEx: Ex ia IIC T4 Ga
- ATEX: II 1G Ex ia IIC T4 Ga
- CE: European Compliance

Product description

Available with a pump or diffusion version and capable of detecting up to 6 gases, the **WatchGas POLI** ATEX multi-gas detector is a practical and economical solution for explosive, toxic, asphyxiating gases, and volatile organic compounds (VOC) detection. It is standard equipped with a man down detector (immobility sensor).

With over 30 interchangeable and field-replaceable sensors, intuitive 2-button navigation, and a large LCD, the **WatchGas POLI** multi-gas detector is a versatile and easy-to-use device. It is also provided with a measurement and event logger for later safety analysis.

Detectable gases

Gases	Measuring range
AsH ₃ (arsine) / SiH ₄ (silane)	0-1 ppm
CH ₃ SH (methyl mercaptan)	0-10 ppm
CO (carbon monoxide)	0-1000 ppm
CO + H ₂ S (carbon monoxide + hydrogen sulphide)	0-500 ppm (CO) + 0-200 ppm (H ₂ S)
CO ₂ (carbon dioxide)	0-50000 ppm
COCl ₂ (phosgene)	0-1 ppm
Cl ₂ (chlorine)	0-50 ppm
ClO ₂ (chlorine dioxide)	0-1 ppm
Dual-Range LEL%/vol% (combustible gas)	0-100 %vol
ETO (ethylene oxide, formic acid, ethanol, formaldehyde, methanol)	0-100 ppm
Hydrocarbons (vol%)	0-100% vol
HF (Diffusion) (hydrogen fluoride)	0-20 ppm
HCN (hydrogen cyanide)	0-100 ppm
HCl (hydrogen chloride)	0-15 ppm
H ₂ (hydrogen)	0-1000 ppm
H ₂ S (hydrogen sulphide)	0-100 ppm or 0-1000 ppm
NH ₃ (ammonia)	0-100 ppm or 0-500 ppm
N ₂ O (nitrous oxide)	0-1000 ppm
NO (nitric oxide)	0-250 ppm
NO ₂ (nitrogen dioxide)	0-20 ppm
O ₂ (oxygen)	0-30 %vol
PH ₃ (phosphine)	0-20 ppm or 0-1000 ppm
SO ₂ (sulphure dioxide)	0-20 ppm or 0-100 ppm
SO ₂ + H ₂ S (sulphure dioxide + hydrogen sulphide)	0-20 ppm (SO ₂) + 0-100 ppm (H ₂ S)
THT (tetrahydrothiophene)	0-40 ppm
VOC (volatile organic compounds)	0-200 ppm or 0-2000 ppm