The WatchGas UNI is a compact, easy to use single gas monitor that is available with a wide range of sensors.

The UNI offers a simple portable solution for a wide array of toxic gases and O_2 applications. With a large LCD screen, the UNI provides maximum readability in the field. Six bright red LEDs and a loud beeper provide unmistakeable alarm notification. It even has a built-in vibration alarm, for extra peace of mind in noisy work environments and when working with hearing protection.

The UNI is constructed using strong and durable materials, to provide protection in the harshest of environments. It also rests easy in your hand, with a grippy, rounded surface for optimal useability even when wearing multiple layers of protective clothing.

The UNI series can easily be bump tested and calibrated with the WatchGas CaliCase system.

Key Features

- 26 models available for 18 different gases (and growing!)
- Between 2 and 5 year operation time, depending on sensor
- Large LCD
- Size: 88 x 62 x 33 mm, 3.46 x 2.44 x 1.3"
- Weight: 125 g, 4.4 oz
- Event logger
- IP rating: IP-67
- Password protection
- Six bright red flashing LEDs, loud acoustic alarm, vibrating alarm
- Low, High, TWA & STEL alarms.

Application examples:

- (Petro)chemical plants and factories
- Tank storage parks
- Wastewater treatment facilities
- Mining industry
- Construction sites
- Food and beverage industry

UNI single gas detector available with sensors for CO, H_2S, O_2, SO_2, Cl_2, NO, NO_2, H_2, PH_3, ETO, NH_3, ClO_2, O_3, HF, HCl, CH_3SH(Methyl Mercaptan), THT en C_2H_4O (Acetaldehyde).

Detector specifications

Size	88 x 62 x 33 mm, 3.46 x 2.44 x 1.3"
Weight	125 g, 4.4 oz
Sensors	26 electrochemical sensor options
Temperature	-20°C to 50°C, -4 to 122°F
Humidity	5 - 95% RH, non-condensing
Alarm Type	High alarm, Low alarm, STEL alarm, TWA alarm, adjustable. Over range alarm, battery low alarm
Alarm Signal	90 dB beeper 6 bright red LEDs Built-in vibration alarm
Calibration	2-point calibration, zero and span. Power-on zero calibration with user confirmation.
Event Log	Up to 10 alarm events
Response Time T90	20 sec ($CO/H_2S/O_2$)
IP rating	IP67
EMI/RFI	Compliant with EMC2004/108/EC
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 ≤ T_{amb} ≤ +50° C **ATEX:** II 1 G Ex ia IIC T4 Ga EN 60079-0:2012/A11:2013 DS/EN 60079-11:2012 -20° C ≤ T_{amb} ≤ +50° C
Battery	Replaceable AA Lithium battery for 3 years of operation (typical)
Sensor life	CO/H_2S: 5 years Other sensors: 2 years or longer
Warranty	2 or 1 year

Sensor specifications

Gas	Range	Resolution
CO	0 - 500 ppm 0 - 1000 ppm 0 - 2000 ppm	1 ppm 1 ppm 1 ppm
H_2S	0 - 50 ppm 0 - 100 ppm 0 - 200 ppm 0 - 1000 ppm	0.1 ppm 0.1 ppm 0.1 ppm 1 ppm
O_2	0 - 25 %VOL 0 - 30 %VOL	0.1 %VOL 0.1 %VOL
SO_2	0 - 20 ppm	0.1 ppm
Cl_2	0 - 50 ppm	0.1 ppm
NO	0 - 250 ppm	1 ppm
NO_2	0 - 20 ppm	0.1 ppm
H_2	0 - 1000 ppm 0 - 2000 ppm	1 ppm 1 ppm
PH_3	0 - 20 ppm	0.01 ppm
ETO	0 - 100 ppm 0 - 200 ppm	0.1 ppm 0.1 ppm
NH_3	0 - 100 ppm	1 ppm
ClO_2	0 - 1 ppm	0.01 ppm
O_3	0 - 1 ppm	0.02 ppm
HF	0 - 10 ppm	0.1 ppm
HCl	0 - 15 ppm	0.1 ppm
CH_3SH	0 - 10 ppm	0.1 ppm
THT	0-50 mg/m3	1mg/m3
C_2H_4O	0 - 20 ppm	0.1 ppm

For more information

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