The WatchGas UNI is a compact and easy to use single gas monitor. Available with a very wide range of sensors that are suitable for many types of gases, such as a sensor for oxygen. In addition, the WatchGas UNI Sustainable also offers a wide choice of sensors for toxic gases. With its bright LED display and loud 95dB acoustic alarm, no alarm will pass you by, ensuring your safety with regard to gases.

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 buzzer 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 Mono/Multi Dock.

Key Features
- 34 models available for 28+ different gases (and increasing!)
- Between 1 and 5 year sensor life, depending on sensor
- Large LCD
- Weight: 125 g, 4.4 oz
- Event logger
- IP rating: IP68
- 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
- Fumigation
- Disinfection

DETECTOR SPECIFICATIONS

Size	88 (W)x 62 (H) x 33 (D) mm (3.66 x 2.44 x 1.3 in)
Weight	125 g (4.4 oz)
Sensor technology	34 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, Bumptest and calibration due notification
Alarm signal	Acoustic: 95dB @ 30cm Visual: 6 bright red LEDs Vibration alarm
Display	LCD Display
Calibration	2-point calibration, zero and span. Power-on zero calibration with user confirmation.
Event log	Up to 50 alarm events
Battery	Replaceable 3.6V AA Lithium battery for 3 years of operation
Measurement	Diffusion
Housing	Polycarbonate and rubber
Response time t90	15 sec (CO/H_2S/O_2) Others gases vary (technical note 4: Sensor Technical Data Summaries)
Accuracy deviation	2-3%
IP-Rating	IP68
EMI/RFI	Compliant with EMC 2014/30/EU
Safety certifications	**UL:** 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 1G Ex ia IIC T4 Ga **IECEX:** Ex ia IIC T4 Ga **CE:** Conformité Européenne
Sensor Life	CO/H_2S: 5 years Other sensors: 1 to 2 years as per warranty
Warranty	2 years for UNI Sustainable with O_2, H_2S, CO, SO_2, HCN, NO, NO_2or PH_3 sensor
	1 year for UNI Sustainable with other sensors

SENSOR SPECIFICATIONS

Model	Detectable Gas Ranges		Resolution		Article Number
CO Carbon Monoxide	0 - 500 ppm	915 mg/m^3	1 ppm	2 mg/m^3	M001-0002-W00
	0 - 1000 ppm	1829 mg/m^3	1 ppm	2 mg/m^3	M001-0023-W00
	0 - 2000 ppm	3658 mg/m^3	1 ppm	2 mg/m^3	M001-0026-W00
H$_2$S Hydrogen Sulfide	0 - 50 ppm	71 mg/m^3	0.1 ppm	0.1 mg/m^3	M001-0003-W00
	0 - 100 ppm	142 mg/m^3	0.1 ppm	0.1 mg/m^3	M001-0054-W00
	0 - 200 ppm	284 mg/m^3	0.1 ppm	0.1 mg/m^3	M001-0057-W00
	0 - 1000 ppm	1418 mg/m^3	1 ppm	1 mg/m^3	M001-0060-W00
O$_2$ Oxygen	0 - 25 %vol		0.1 %vol		M001-0032-W00
	0 - 30 %vol		0.1 %vol		M001-0001-W00
O$_2$ Lead-free Oxygen	0 - 25 %vol		0.1 %vol		M001-0094-W00
	0 - 30 %vol		0.1 %vol		M001-0095-W00
O$_2$ Inerting Alarms Oxygen	0 - 25 %vol		0.1 %vol		M001-0093-W00
SO$_2$ Sulfur Dioxide	0 - 20 ppm	53 mg/m^3	0.1 ppm	0.3 mg/m^3	M001-0007-W00
	0 - 100 ppm	266 mg/m^3	0.1 ppm	0.3 mg/m^3	M001-0091-W00
Cl$_2$ Chlorine	0 - 50 ppm	147 mg/m^3	0.1 ppm	0.3 mg/m^3	M001-0004-W00
NO Nitric Oxide	0 - 250 ppm	312 mg/m^3	1 ppm	1 mg/m^3	M001-0015-W00
NO$_2$ Nitrogen Dioxide	0 - 20 ppm	38 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0011-W00
H$_2$ Hydrogen	0 - 1000 ppm	83 mg/m^3	1 ppm	0.1 mg/m^3	M001-0018-W00
	0 - 2000 ppm	166 mg/m^3	1 ppm	0.1 mg/m^3	M001-0019-W00
PH$_3$ Phosphine	0 - 20 ppm	28 mg/m^3	0.01 ppm	0.01 mg/m^3	M001-0016-W00
ETO Ethylene Oxide	0 - 100 ppm	183 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0012-W00
	0 - 200 ppm	367 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0069-W00
NH$_3$ Ammonia	0 - 100 ppm	71 mg/m^3	1 ppm	1 mg/m^3	M001-0006-W00
	0 - 500 ppm	353 mg/m^3	1 ppm	1 mg/m^3	M001-0090-W00
ClO$_2$ Chlorine Dioxide	0 - 1 ppm	3 mg/m^3	0.01 ppm	0.03 mg/m^3	M001-0072-W00
O$_3$ Ozone	0 - 5 ppm	10 mg/m^3	0.01 ppm	0.02 mg/m^3	M001-0009-W00
HF Hydrogen Fluoride	0 - 20 ppm	17 mg/m^3	0.1 ppm	0.1 mg/m^3	M001-0014-W00
HCl Hydrogen Chloride	0 - 15 ppm	23 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0008-W00
HCN Hydrogen Cyanide	0 - 100 ppm	112 mg/m^3	0.1 ppm	1 mg/m^3	M001-0005-W00
CH$_3$SH Methyl Mercaptan	0 - 10 ppm	20 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0077-W00
THT Tetrahydrothiophene	0 - 40 ppm	144 mg/m^3	0.1 ppm	0.4 mg/m^3	M001-0085-W00
C$_2$H$_4$O Acetaldehyde	0 - 20 ppm	37 mg/m^3	0.1 ppm	0.2 mg/m^3	M001-0080-W00
AsH$_3$ Arsine	0 - 1 ppm	3.24 mg/m^3	0.01 ppm	0.03 mg/m^3	M001-0092-W00
COCl$_2$ Phosgene	0 - 1 ppm	4.11 mg/m^3	0.01 ppm	0.04 mg/m^3	M001-0020-W00

CROSS SENSITIVITY

Model	Cross Sensitivity gas	Measurement		Resolution		CF	Article Number
ETO Ethylene Oxide	CH_3OH Methanol	0 - 100 ppm 0 - 200 ppm	133.27 mg/m^3 266.54 mg/m^3	0.1ppm	0.13 mg/m^3	0.9	M001-0012-W00 M001-0069-W00
	C_2H_6O Ethanol	0 - 100 ppm 0 - 200 ppm	191.63 mg/m^3 383.26 mg/m^3	0.1ppm	0.19 mg/m^3	1.5	M001-0012-W00 M001-0069-W00
	C_2H_3Cl Vinyl Chloride	0 - 100 ppm 0 - 200 ppm	259.96 mg/m^3 519.93 mg/m^3	0.1ppm	0.26 mg/m^3	1.4	M001-0012-W00 M001-0069-W00
	CH_2O Formaldehyde	0 - 100 ppm 0 - 200 ppm	124.92 mg/m^3 249.83 mg/m^3	0.1ppm	0.12 mg/m^3	0.4	M001-0012-W00 M001-0069-W00
	CH_2O_2 Formic Acid	0 - 100 ppm 0 - 200 ppm	191.46 mg/m^3 382.93 mg/m^3	0.1ppm	0.19 mg/m^3	1.4	M001-0012-W00 M001-0069-W00
AsH_3 Arsine	SiH_4 Silane	0 - 1ppm	1.34 mg/m^3	0.01ppm	0.01 mg/m^3	1.8	M001-0092-W00
	PH_3 Phosphine	0 - 1ppm	1.41 mg/m^3	0.01ppm	0.01 mg/m^3	1.2	M001-0092-W00

UNI Sustainable
Single Gas Detector

Available for many gases

ACCESSORIES

**UNI Series
Multi Docking Station**

**UNI Series
Mono Docking Station**

Calibration Gases

Fixed Flow Regulator
0.5L per minute
Stainless Steel or 1L per
minute Stainless Steel
regulators

Last-O-More Hose

*Also check out our UNI
Disposable range on the
WatchGas website!*

**THE UNI SUSTAINABLE COMES COMPLETE WITH
THE FOLLOWING ITEMS:**

- Calibration adapter
- Manual

For more information
www.watchgas.eu
info@watchgas.eu

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