



## WatchGas MGD

PORTABLE SINGLE GAS DETECTOR

Gas safety demands reliable detection. The WatchGas MGD delivers accurate, real-time monitoring of hazardous gases, ensuring safety in industrial, manufacturing, and confined spaces by detecting leaks before they become threats. The WatchGas MGD is available in three models O<sub>2</sub>, CO and H<sub>2</sub>S.

## Features and benefits



### Real-time Reading

The device offers real-time gas readings for O<sub>2</sub>, CO, and H<sub>2</sub>S, with the display continuously updating even the smallest changes in concentration.



### Multi-Alarm System

Alerts users through visual (LED), audible (buzzer), and vibration warnings for immediate response.



### Compact & Lightweight

Portable and easy to carry, making it ideal for workers in confined spaces and hazardous areas.



### 2-Year Maintenance-Free Operation

Operates continuously for 2 years without the need for battery or sensor replacement (Disposable). The remaining lifespan can be checked on the display.



### One-Button Operation

All functions can be operated with a single button. Designed for ease of use with simple controls for all personnel.



### IP67 Rugged & Reliable

Dust proof, waterproof, and built to withstand tough environments.



### ATEX & IECEx Certified

Meets international safety standards for explosive and hazardous environments.



### 2-Year Warranty

Guaranteed reliability and peace of mind with long-term protection.

## SENSOR SPECIFICATIONS

<b>Measuring Method</b>	Electrochemical cell		
<b>Measuring Gas</b>	O <sub>2</sub>	CO	H <sub>2</sub> S
<b>Measuring Range</b>	0 ~ 25% Vol	0 ~ 500 ppm	0 ~ 100 ppm
<b>Resolution</b>	0.1% Vol	1 ppm	0.1 ppm
<b>Low Alarm*</b>	19% Vol	35 ppm	10 ppm
<b>High Alarm*</b>	23% Vol	200 ppm	15 ppm

\* Customizable Alarm Set-points

## DETECTOR SPECIFICATIONS

<b>Case Material</b>	Polycarbonate + Thermoplastic polyurethane		
<b>Dimension</b>	50(W) x 80(H) x 41(D) mm (Alligator clip included)		
<b>Weight</b>	103gr (Alligator clip included)		
<b>Operating Temperature</b>	-20°C ~ 50°C		
<b>Operating Humidity</b>	5 ~ 95% r.h.		
<b>Alarm</b>	Visual, Vibrating, Audible		
<b>Ingress Protection</b>	IP 67		
<b>Display</b>	Liquid Crystal Display (LCD)		
<b>Battery</b>	3.6V Primary lithium-thionyl chloride (Li-SOCl <sub>2</sub> )		
<b>Event Log</b>	128 events		

## CERTIFICATIONS AND APPROVALS

<b>Explosion-Proof Certification</b>	ATEX	II 1 G Ex ia IIC T4 Ga
	IECEx	Ex ia II C T4 Ga
<b>Approvals</b>	IECEx	IECEx KTL 25.0023
	ATEX	DEKRA 25ATEX0088

### For more information

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### WatchGas MGD DS EN L2E © 2025 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.

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