



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 O₂, CO and H₂S.

Features and benefits



Real-time Reading

The device offers real-time gas readings for O₂, CO, and H₂S, with the display continuously updating even the smallest changes in concentration.



One-Button Operation

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



Multi-Alarm System

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



IP67 Rugged & Reliable

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



Compact & Lightweight

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



ATEX & IECEx Certified

Meets international safety standards for explosive and hazardous environments.



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.



2-Year Warranty

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

SENSOR SPECIFICATIONS

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

* Customizable Alarm Set-points

DETECTOR SPECIFICATIONS

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

CERTIFICATIONS AND APPROVALS

Explosion-Proof Certification	ATEX	II 1 G Ex ia IIC T4 Ga
	IECEX	Ex ia II C T4 Ga
Approvals	IECEX	IECEX KTL 25.0023
	ATEX	DEKRA 25ATEX0088

For more information

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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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