

WatchGas QGM Multi Gas Monitor

The WatchGas QGM is a multi-gas monitor engineered to keep you and your staff safe while working in hazardous environments. The WatchGas QGM offers detection for up to four different gases.

The WatchGas QGM is able to detect the deficiency of oxygen, poisoning by H₂S and CO, and the lower explosion level of combustible gases present. When the concentration of these gases exceed the predetermined values of the TWA, STEL, high- and low alarm, the WatchGas QGM will raise the alarm through vibrating, flashing LEDs and a 90dB acoustic alarm. A built-in data- and event logger registers peak and average alarm values, calibration dates, bump test information for up to 2 months. All logs can be downloaded to PC through the WatchGas IR-link software.

We can offer you the QGM as a 2-, 3- or 4 gas monitor.

The QGM comes with a catalytic sensor or optional IR sensor to detect combustible gases. If the optional IR-sensor is used, the QGM's battery life changes. The low energy consuming sensor utilizes far less capacity than the pellistor enhancing battery life to 2 months allowing continuous operation with only one initial charge.

KEY FEATURES

- IECEx and ATEX zone 0 approved
- Simple single button operation
- Easy calibration and bump check with optional dock
- Rugged and durable housing
- Displays Time weighted Average and Short-term Exposure Limit values
- Adjustable alarm levels using the WatchGas IR Link
- Data log: up to two months or more
- Optical, acoustic and vibrating alarms

APPLICATION EXAMPLES:

- (Petro)chemical plants and factories
- Tank storage parks
- Sewage and wastewater treatment facilities
- Mining industry
- Construction sites
- Governments/first responders
- Food and beverage industry



*WatchGas **QGM-IR** battery life up to 2 months of continuous operation*

*WatchGas **QGM-CAT** battery life up to 24 hours of continuous operation*



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WatchGas QGM Multi Gas Monitor

MODEL	QGM			
	LEL	O ₂	CO	H ₂ S
Measuring type	Diffusion			
Measuring method	<ul style="list-style-type: none"> Catalytic [QGM-CAT] Infrared [QGM-IR] 	Electrochemical		
Measuring range	0-100% LEL	0-30 Vol.%	0-500 ppm	0-100 ppm
Resolution	1% LEL	0.1 Vol.%	1 ppm	0.1 ppm
Sensor life time	> 2 year	2 year	> 2 year	> 2 year
Operation	Single Button			
Alarm Display	Digital LCD display, LCD Backlight, indicator LEDs, flashing alarm			
Operation mode display	Visual: LCD alarm display, LCD Backlight, Indicator LED Acoustic: buzzur (90 db @ 10 cm) and vibrating alarm			
Event log	Data log 2 months or more Event log / calibration log / bump log: 30 event			
Mounting type	Stainless steel belt clip			
Programing	WatchGas IR Link with PC software			
Operation temperature	-20 to +45° C			
Operating Humidity	10 to 95% RH, non-condensing			
Battery	Type: Lithium-ion rechargeable battery Charging time < 6h			
Operation time	QGM-CAT: 24 hours, QGM-IR: 2 months			
Housing	Rugged durable housing with impact proof coating IP67			
Dimensions	60 x 40 x 118 mm (WxDxH)			
Weight	< 240 g			
Approval	QGM-IR: EX II 1G ia IIC T4 Ga QGM-CAT: EX II 1G da ia IIC T4 Ga			
Option	WatchGas IR Link, WatchGas Docking Station			

