

WATCH SIZE PERSONAL GAS MONITOR

Gas Detection for Life

GasWatch 2 Model



Features

- Three gases to choose from CO, H₂S or O₂
- Hands free gas monitoring
- Compact "belt clip" type design (standard)
- Fast, accurate response with digital LCD display
- Fits on your wrist, clothing, belt or hardhat
- Automatic backlight during alarm
- Manual backlight
- Sensor fail alarm
- PEAK hold function (max value during operation)
- TWA and STEL function
- Displays current time
- Visual, audible & vibration alarms standard
- Over 3000 hours of operation from one battery
- **Intrinsically safe, CSA, C/US approved**
- Two year warranty

Applications

- Worker safety
- Refineries
- Petrochemical facilities
- Sewerage treatment plants
- Oil fields
- Chemical plants
- Tunnels
- Mines
- Hazardous waste sites

The GasWatch 2 is the first single-gas monitor that can be comfortably worn on the wrist like a watch. The GasWatch 2 is a convenient, inexpensive, hands-free method of gas monitoring for personal protection of oxygen deficiency, carbon monoxide or hydrogen sulfide. The built in vibrator, audible and visual alarms immediately alert the user to a dangerous gas condition.

The GasWatch 2 is controlled by a microprocessor for reliability and advanced capabilities. Some of these advanced capabilities include distinctive audible and visual alarms for dangerous gas conditions and malfunctions, a large digital readout with a manual backlight that also automatically lights in an alarm condition, as well as the display of PEAK, TWA and STEL readings. The replacement sensors are inexpensive, easily field replaceable and have a life expectancy of about 2 years.

Equipped with a watch band, optional belt clip, hard hat clip or alligator clip, the GasWatch 2 can be worn either on the wrist, belt, hard hat or clipped to protective wear. The GasWatch 2 will operate for over 3000 hours on one battery (about 1 year normal use). And yes, the GasWatch 2 even tells the time!



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GasWatch 2 Model

Model Name	GW – 2X	GW – 2H	GW – 2C
Gas Detected	Oxygen (O ₂)	Hydrogen Sulphide (H ₂ S)	Carbon Monoxide (CO)
Detection Principle	Galvanic cell	Electrochemical	Electrochemical
Sensor Type	OS – BM2	ES – 1827	ES – 1821
Detection Range (increments)	0 – 40% vol (0.1% vol)	0 – 100 ppm (0.5ppm)	0 – 500 ppm (1 ppm)
Alarm Set Points	Low 19.5% vol High 23.5% vol Over 40.0% vol	1st 10.0 ppm 2nd 30.0 ppm TWA 10.0 ppm STEL 15.0 ppm Over 100.0 ppm	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
Alarm Types	Gas alarm: 2 step alarm, STEL, TWA, over alarm Trouble alarm: sensor connection, low battery, circuit error Calibration range over alarm		
Alarm Indication	Gas alarm: flashing light, intermittent buzzer and pulsing vibration Trouble alarm: flashing light, intermittent buzzer and trouble type displayed		
Gas Sampling	Diffusion		
Response Time	T90 in 30 seconds	T90 in 30 seconds	T90 in 20 seconds
Accuracy	± 5 ppm (up to 150 ppm)	± 1.5 ppm (up to 30 ppm)	± 0.5% vol
Power	One coin type lithium battery (CR2450)		
Continuous Operation	Approximately 3000 hours with no alarms or backlighting (about 1 year of normal use)		
Safety Rating	CSA classified, "C/US", as intrinsically safe. Class 1, Division 1, Groups A, B, C and D. Class 1, Zone 0, Group IIC. Temperature code T4.		
Dimension Weight	63.5 mm (W) x 43 mm (H) x 23 mm (D), 60 grams		
Case	High impact plastic, dust and weather proof		
Features	LCD manual backlight (automatic lighting during alarm) STEL, TWA function Peak hold Time indication		
Attachment Choice	Watchband, alligator clip, Belt clip and Hard hat clip		
Operating Temp & Humidity	-20 ~ 40°C, below 85% RH (non condensing)		
Warranty	Two years material and workmanship		

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