



# SINGLE GAS PERSONAL MONITOR

Gas Detection For Life

GasWatch 2 Model



## Features

- 3 gases to choose from CO, H<sub>2</sub>S, or O<sub>2</sub>
- Hands free gas monitoring
- Compact “watch type” design
- 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 (min. and max. values for O<sub>2</sub>)
- TWA and STEL function
- Displays current time
- Visual, audible, and vibration alarms standard
- Over 3,000 hours of operation from 1 battery
- Intrinsically safe, CSA, C/US classified
- 2 year warranty

## Applications

- Worker safety
- Refineries
- Petrochemical facilities
- Sewage treatment plants
- Fire departments
- 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 from 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 3,000 hours on one battery (about 1 year normal use). And yes, the GasWatch 2 even tells the time!

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World Leader In Gas Detection & Sensor Technology  
[www.rkiinstruments.com](http://www.rkiinstruments.com)

# GasWatch 2 Model

Model Name	GW – 2X		GW – 2H		GW – 2C	
<b>Gas Detected</b>	Oxygen (O2)		Hydrogen Sulfide (H2S)		Carbon Monoxide (CO)	
<b>Detection Principle</b>	Galvanic cell		Electrochemical cell		Electrochemical cell	
<b>Detection Range (Increments)</b>	0 – 40%vol. (0.1% vol.)		0 – 100 ppm (0.5 ppm)		0 – 500 ppm (1 ppm)	
<b>Accuracy Statement</b>	± 0.5% O2		± 5% of reading or ± 2 ppm H2S (which ever is greater)		± 5% of reading or ± 5 ppm CO (which ever is greater)	
<b>Alarm Set Points</b>	Low	19.5% vol.	1st	10.0 ppm	1st	25 ppm
	High	23.5% vol.	2nd	30.0 ppm	2nd	50 ppm
	Over	40.0% vol.	TWA	10.0 ppm	TWA	25 ppm
			STEL	15.0 ppm	STEL	200 ppm
			Over	100.0 ppm	Over	500 ppm
<b>Alarm Types</b>	Gas alarms: 2 level alarm (user adjustable), STEL, TWA, and over alarm Trouble alarms: sensor connection, low battery, circuit error, and calibration range error					
<b>Alarm Methods</b>	Gas alarms: flashing light, intermittent buzzer and pulsing vibration Trouble alarms: flashing light, intermittent buzzer and trouble type displayed					
<b>Gas Sampling</b>	Diffusion					
<b>Response Time</b>	T90 in 20 seconds (Alarms within 5 seconds when exposed to 12% O2)		T90 in 30 seconds			
<b>Accuracy</b>	+/- 0.5% vol.		+/- 1.5 ppm (up to 30 ppm)		+/- 5 ppm (up to 150 ppm)	
<b>Power</b>	One coin type lithium battery (CR 2450)					
<b>Continuous Operation</b>	Approximately 3,000 hours with no alarms or backlighting (about 1 year of normal use)					
<b>Safety Rating</b>	CSA classified, "C/US", as intrinsically safe. Class I, Division 1, Groups A, B, C and D. Class I, Zone 0, Group IIC. Temperature code T4					
<b>Dimension Weight</b>	2.5"(W) x 1.7"(H) x 0.9"(D) / 63.5 mm(W) x 43 mm(H) x 23 mm(D) 2 ounces / 60 grams					
<b>Case</b>	High-impact plastic, dust and weather proof					
<b>Attachment Choices</b>	Watchband, alligator clip, belt clip, and hard hat clip					
<b>Operating Temperature and Humidity</b>	-10 ~ 40°C, (14 ~ 104° F) below 85% RH (non condensing)					
<b>Special Functions</b>	<ul style="list-style-type: none"> <li>• LCD manual backlight (automatic lighting during alarm)</li> <li>• STEL, TWA function</li> <li>• Peak hold</li> <li>• Time indication</li> </ul>					
<b>Warranty</b>	Two years material and workmanship					

## Ordering Information

GW-2X with watch band..... 72-0007RK  
 GW-2C with watch band ..... 73-0040RK  
 GW-2H with watch band ..... 73-0041RK  
 GW-2X with alligator clip..... 72-0007RK-01  
 GW-2C with alligator clip..... 73-0040RK-01  
 GW-2H with alligator clip..... 73-0041RK-01

GW-2X with hardhat clip ..... 72-0007RK-02  
 GW-2C with hardhat clip ..... 73-0040RK-02  
 GW-2H with hardhat clip ..... 73-0041RK-02  
 GW-2X with belt clip..... 72-0007RK-03  
 GW-2C with belt clip..... 73-0040RK-03  
 GW-2C with belt clip..... 73-0041RK-03

Specifications subject to change without notice.



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