Technical Data Sheet

Smallest Gas Monitor - GasWatch 3 by RKI Instruments

Brand / manufacturer	RKI Instruments
Product codes	O2 - Galvanic sensor with alligator clip — SKU: 72-0012 H2S with alligator clip — SKU: 72-0022 CO - electrochemical sensor with alligator clip — SKU: 72-0023 CO with H2 compensated sensor and alligator clip — SKU: 72-0025 CO / O2 combination with alligator clip — SKU: 72-0026

Product description

RKI Instruments GasWatch 3: the world's smallest and lightest single-gas monitor, weighing just 1.6 oz, worn on the wrist or clipped into your breathing zone.

Versions: O2 - Galvanic sensor with alligator clip, H2S with alligator clip, CO - electrochemical sensor with alligator clip, CO with H2 compensated sensor and alligator clip, CO / O2 combination with alligator clip.

Key benefits

- 5 versions: O2 [GW-3(O2)], CO [GW-3(CO)], H2S [GW-3(H2S)], H2-compensated CO [GW-3(C-)] for steel mills, refineries and other hydrogen environments, and dual CO/O2 [GW-3(CX)]
- Field-replaceable coin-type lithium battery: over 4,000 hours continuous operation (H2-compensated CO up to 2,500 h; CO/O2 up to 2,000 h)
- 3-year warranty* (2 years for O2 sensor)
- Light, compact watch-type design; watch band, clip-on or alligator clip with 360° rotation
- Automatic backlight during alarm
- Sturdy IP-66/68 design: water, dust and RF resistant
- Non-compliance indicator

Specifications

Model	GW-3 (HS) Hydrogen Sulfide	GW-3 (CO) Carbon Monoxide	GW-3 (C-) H2 Compensated CO	GW-3 (CX) (Dual Sensor)	GX-3 (O2) Oxygen
Carbon Monoxide	Oxygen				
Detection Principle	EC	Dual EC	Galvanic Cell		
Detection Range (Increments)	0 ~ 30 ppm (0.1) 30 ~ 100 ppm (1)	0 ~ 300 ppm (1)	0 ~ 25.0% Vol. (0.1)		
Service Range	100 ~ 200 ppm (1)	310 ~ 2,000 ppm (10)	25 ~ 40.0% Vol. (0.1)		

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Alarm Setpoints	1st: 5.0 ppm 2nd: 30.0 ppm 3rd: 100.0 ppm TWA: 1.0 ppm STEL: 5.0 ppm OVER: 200.0 ppm	1st: 25 ppm 2nd: 50 ppm 3rd: 1200 ppm TWA: 25 ppm STEL: 200 ppm OVER: 2,000 ppm	L: 19.5% Vol. LL: 18.0% Vol. H: 23.5% Vol. OVER: 40.0% Vol.		
Operating Temperature	-20 °C to +50 °C (no sudden changes) (Approx. 15-minute temporary use environment: -20 °C to +60 °C) [no sudden changes]	-20 °C to +50 °C (no sudden changes)			
Humidity Range	10 to 90 %RH (no condensation) (Approx. 15-minute temporary use environment: 0 to 95 %RH) [no condensation]	10 to 90 %RH (no condensation)			
Continuous Operating Time	Approx. 4,000 hours	Approx. 2,500 hours	Approx. 2,000 hours	Approx. 4,000 hours	
Sampling Method	Diffusion Type				
Types of Alarm	Gas alarms: Three-step alarms, STEL alarm, TWA alarm, OVER alarm Fault alarms: Sensor connection / disconnection, low battery level, calibration failure, clock abnormality, system abnormality				
Alarm Indications	Auto-reset or self latching Lamp flashing, intermittent buzzer sounding, gas concentration readout blinking, vibration				

Power Source	CR2450 coin-type lithium ion battery				
Case Material	Intrisically safe explosion-proof construction (Ex ia IIC T4 Ga) , IP 66/68 (6.6ft, 1h) (2m, 1h)				
Approvals	ATEX, IECEx, CSA				
Dimension & Weight	2.5″ W x 1.6″ H x .86″ D (Approx 63 mm W x 42mm H x 22mm D) , 1.6 ounces (approx. 45g)				
Functions	Data logger, vibration, STEL alarm, TWA alarm, quick calibration, peak value display, temperature display				
Standard Accessories	CR2450 coin-type lithium-ion battery, Spring pins (used to mount accessories on to the rear face), Watch band, Alligator clip				
Optional Accessories	Heat-resistant case, Dust filter, CF-1821 filter (for CO sensor), CF-A13i-1 humidity control filter (for H2S sensor), Calibration adapter				

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/smallest-gas-monitor-gaswatch-3-by-rki-instruments (listing notes product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
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