Technical Data Sheet

Smallest Toxic Gas Monitor - 04 Series by RKI Instruments

Brand / manufacturer	RKI Instruments
Product codes	HS-04 — SKU: 73-0063 CO-04 — SKU: 73-0065 OX-04 — SKU: 72-0018

Product description

RKI Instruments 04 Series toxic single-gas monitor, designed to operate for many years with field-replaceable sensors and filters.

Models: HS-04, CO-04, OX-04.

Key benefits

- 2 user-adjustable preset alarms with visual, audible and vibration alarms as standard
- HCN, NO2, PH3 and SO2 versions run continuously for at least 3,000 hours on 2 AAA alkaline batteries
- Inexpensive, field-replaceable sensors interchangeable with RKI GX-3R, GX-3R Pro and GasWatch 3
- Sensor life expectancy over 3 years, backed by a 3-year warranty
- Impact, dust and water resistant (IP-67)
- Intrinsically safe: ATEX/IECEx, and QPS to U.S. and Canadian standards for Class I, Division 1, Groups A, B, C and D

Specifications

Model Name	SC-04 HCN	SC-04 NO2	SC-04 PH3	SC-04 SO2	CO-04 (-H2)	CX-04	
Gas Detected	Hydrogen Cyanide	Nitrogen Dioxide	Phosphine	Sulfur Dioxide	Carbon Monoxide	CO	O2
Detection Principle	Electrochemical						
Part#	73-0071	73-0073	73-0079	73-0083	73-0067	73-0069	
Detection Range (Increments)	0 ~ 30.0 ppm (0.1 ppm)	0 ~ 20.00 ppm (0.05 ppm)	0 ~ 20.00 ppm (0.01 ppm)	0 ~ 100.0 ppm (0.05 ppm)	0 ~ 2000 ppm (1 ppm)	0 ~ 40% (0.1%)	
Alarm Set Points	1st: 5.0 ppm 2nd: 10.0 ppm 3rd: 30.0 ppm TWA: 4.7 ppm STEL: 10 ppm	1st: 2.00 ppm 2nd: b4.00 ppm 3rd: 20.00 ppm TWA: 0.50 ppm STEL: 1.00 ppm	1st: 0.30 ppm 2nd: 0.60 ppm 3rd: 0.60 ppm TWA: 0.30 ppm STEL: 1.00 ppm	1st: 2.00 ppm 2nd: 5.00 ppm 3rd: 100.00 ppm TWA: 2.00 ppm STEL 5.00 ppm	1st 25 ppm 2nd 50 ppm 3rd 1200 ppm TWA 25 ppm STEL 200 ppm	L: 19.5 % LL: 18.0% H: 25.0 %	

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Alarm Types	Gas alarms: 1st, 2nd and 3rd (user adjustable), OVER alarm, STEL and TWA Trouble alarms: Sensor connection, low battery, circuit failure, and calibration range error						
Alarm Methods	Gas alarm: Flashing LED's, intermittent buzzer, flashing gas value, and vibration Trouble alarm: Flashing LED's, intermittent buzzer, and display of error message STEL & TWA alarms: Flashing LED's, intermittent buzzer, flashing gas value, and vibration						
Gas Sampling	Diffusion						
Response Time	T90 in 30 seconds						
Accuracy (which ever is greater)	± 10% of reading or ± 5 % of full scale	< 300 ppm ± 5 % of reading > 300 ppm ± 20 % of reading	< 25% ± 0.5 % > 25% ± 3.0 %				

Data Logging	10 second intervals = 10 hours, 5 minute intervals = 300 hours, 10 minute intervals = 600 hours						
Instrument records alarms, alarm trends, gas readings, calibration & bump test history, instrument information and settings.							
Battery Options	Alkaline dry cell (2-AAA size)						
Continuous Operation	3,000 hours (at 25°C, no backlight)	6,200 hours	4,600 hours				
Safety Rating	ATEX/IECEx approved. QPS classified, “C / US”, as intrinsically safe, Class I, Division 1, Groups A, B, C, D						
Enclosure	Dust and water resistant with IP-67 rating						
Dimensions & Weight	2.1” W x 2.64” H x 0.94” D, (54 x 67 x 24 mm); 2.8 ounces (80 g)						

Display	Digital LCD, gas name & concentration, auto backlighting during alarm, operation icon, battery icon						
Operating Temp. & Humidity	-4°F ~ 122°F (-20°C ~ 50°C); Humidity below 90% RH (non-condensing)						
Standard Accessories	• Rubber protective boot • Alligator clip • Data logging software • Alkaline batteries						
Optional Accessories	• Calibration cap • Wrist strap • Calibration kit • Belt clip • Data logging download cable						
Special Functions	• Manual backlight for LCD (automatically lit during alarm) • Peak hold, STEL & TWA						
Warranty	3 Year warranty						

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/smallest-toxic-gas-monitor-04-series-by-rki-instruments (listing notes

product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
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