RKI INSTRUMENTS

SINGLE GAS TOXIC PERSONAL MONITOR

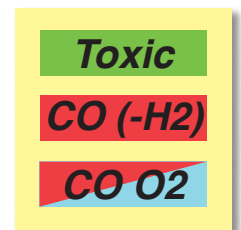## Gas Detection For Life

04 Series

Features

- Personal monitoring for HCN, NO2, PH3, or SO2
- CO with H2 elimination
- O2 / CO combo sensor
- Operates 3,000 hours on alkaline
- Pocket size 2.1"(W) x 2.6"(H) x 0.9"(D)
- Light weight 2.8 ounces
- Impact, dust, and water resistant (IP-67)
- Replaceable rubber boot
- Data log 10 to 600 hours with adjustable intervals
- Audible / visual / vibration alarms
- Automatic backlight
- Low battery alarm
- Intrinsically safe, ATEX and C / US approvals
- 3 Year warranty

Applications

- Hazardous material
- Mining
- Refineries / petrochemical
- Water / wastewater treatment
- Pharmaceuticals
- Utilities
- Chemical plants
- Fire services
- Steel Mills

Toxic

CO (-H2)

CO O2

The 04 Series toxic single gas monitor is designed to operate for many years with field replaceable sensors and filters. The HCN, NO2, PH3, and SO2 versions can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries. The 04 models have 3 preset alarms that are user adjustable. Each version is also equipped with visual, audible, and vibration alarms as standard.

The replacement sensors are inexpensive, easily field replaceable, and are interchangeable with other popular RKI instruments like the GX-3R, GX-3R Pro, and GasWatch 3. Sensor have a life expectancy of over 3 years and are backed by a 3 year warranty.

Each 04 Series monitor is impact, dust, and water resistant with an IP-67 ingress protection rating. 04 Series instruments are safe for use in hazardous locations, classified as intrinsically safe ATEX/IECEx and by QPS to U.S. and Canadian standards for Class I, Division 1, Groups A, B, C, and D atmospheres. For additional information please visit our web site at www.rkiinstruments.com.

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: 4.00 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 %
Alarm Types	Gas alarms: Trouble alarms:	1st, 2nd and 3rd (user adjustable), OVER alarm, STEL and TWA Sensor connection, low battery, circuit failure, and calibration range error					
Alarm Methods	Gas alarm: Trouble alarm: STEL & TWA alarms:	Flashing LED's, intermittent buzzer, flashing gas value, and vibration Flashing LED's, intermittent buzzer, and display of error message 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 • Alkaline batteries	• Alligator clip	• Data logging software				
Optional Accessories	• Calibration cap • Calibration kit	• Wrist strap • Belt clip	• Data logging download cable				
Special Functions	• Manual backlight for LCD (automatically lit during alarm) • Peak hold, STEL & TWA						
Warranty	3 Year warranty						