



# SINGLE GAS TOXIC PERSONAL MONITOR

Gas Detection For Life

04 Series

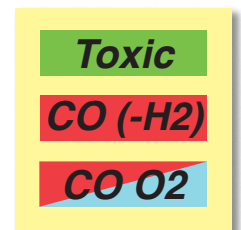


## Features

- Personal monitoring for HCN, NO<sub>2</sub>, PH<sub>3</sub>, or SO<sub>2</sub>
- CO with H<sub>2</sub> elimination
- O<sub>2</sub> / 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



The 04 Series toxic single gas monitor is designed to operate for many years with field replaceable sensors and filters. The HCN, NO<sub>2</sub>, PH<sub>3</sub>, and SO<sub>2</sub> 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](http://www.rkiinstruments.com).



# 04 Series

| 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<br>(0.1 ppm)  | 0 ~ 20.00 ppm<br>(0.05 ppm)   | 0 ~ 20.00 ppm<br>(0.01 ppm)  | 0 ~ 100.0 ppm<br>(0.05 ppm)  | 0 ~ 2000 ppm<br>(1 ppm)   |                                     | 0 ~ 40%<br>(0.1%)              |
| Alarm Set Points                 | 1st: 5.0 ppm<br>2nd: 10.0 ppm<br>3rd: 30.0 ppm<br>TWA: 4.7 ppm<br>STEL: 10 ppm   | 1st: 2.00 ppm<br>2nd: 4.00 ppm<br>3rd: 20.00 ppm<br>TWA: 0.50 ppm<br>STEL: 1.00 ppm | 1st: 0.30 ppm<br>2nd: 0.60 ppm<br>3rd: 0.60 ppm<br>TWA: 0.30 ppm<br>STEL: 1.00 ppm | 1st: 2.00 ppm<br>2nd: 5.00 ppm<br>3rd: 100.00 ppm<br>TWA: 2.00 ppm<br>STEL: 5.00 ppm | 1st: 25 ppm<br>2nd: 50 ppm<br>3rd: 1200 ppm<br>TWA: 25 ppm<br>STEL: 200 ppm | L: 19.5 %<br>LL: 18.0%<br>H: 25.0 % |                                |
| Alarm Types                      | Gas alarms: 1st, 2nd and 3rd (user adjustable), OVER alarm, STEL and TWA<br>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<br>Trouble alarm: Flashing LED's, intermittent buzzer, and display of error message<br>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<br>or ± 5 % of full scale   |   |  |  | < 300 ppm ± 5 % of reading<br>> 300 ppm ± 20 % of reading                   |                                     | < 25% ± 0.5 %<br>> 25% ± 3.0 % |
| Data Logging                     | 10 second intervals = 10 hours, 5 minute intervals = 300 hours, 10 minute intervals = 600 hours<br>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);<br>Humidity below 90% RH (non-condensing)   |   |  |  |   |                                     |                                |
| Standard Accessories             | • Rubber protective boot<br>• Alkaline batteries   |   | • Alligator clip   | • Data logging software  |   |                                     |                                |
| Optional Accessories             | • Calibration cap<br>• Calibration kit   |   | • Wrist strap<br>• Belt clip   | • Data logging download cable  |   |                                     |                                |
| Special Functions                | • Manual backlight for LCD (automatically lit during alarm)<br>• Peak hold, STEL & TWA   |   |  |  |   |                                     |                                |
| Warranty                         | 3 Year warranty  |   |  |  |   |                                     |                                |



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