



## 04 Series – Single Gas Monitors

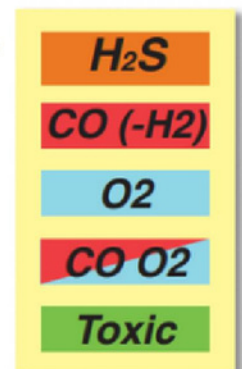


### Features

- Continuously operate for over one year (H<sub>2</sub>S & CO)
- Toxic gases include: NH<sub>3</sub>, Cl<sub>2</sub>, HCN, NO<sub>2</sub>, PH<sub>3</sub> & SO<sub>2</sub>
- CO with H<sub>2</sub> elimination
- CO & O<sub>2</sub> Dual Sensor
- Field serviceable
- Pocket size 2.1"(W) x 2.6"(H) x 0.9"(D), 2.8 ounces
- Impact, dust, and water resistant (IP-67)
- Replaceable rubber boot
- Alligator clip with 360° rotation
- Audible / visual / vibration alarms
- Automatic backlight
- 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 single gas monitor is designed to operate for many years with field replaceable sensors and filters. The 04 Series can be operated continuously for up to 9,000 hours on (2) AAA size alkaline batteries (depending on model). The 04 Series has 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. Sensors 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).

\* 3 year warranty on material and workmanship including sensors  
(1 year warranty for Ammonia and Chlorine sensors)





## Specifications

| Gases & Detectable Ranges           |                |                                       |                                                                                |                      |
|-------------------------------------|----------------|---------------------------------------|--------------------------------------------------------------------------------|----------------------|
| Gas                                 | Part # (Model) | Detection Range (Increments)          | Alarm Set Points                                                               | Continuous Operation |
| Hydrogen Sulfide (H <sub>2</sub> S) | 73-0063 HS-04  | 0 - 100.0 ppm (0.1 ppm)               | A1: 5 ppm                                                                      | 9,000 hours          |
|                                     |                |                                       | A2: 30.0 ppm                                                                   |                      |
|                                     |                |                                       | A3: 100.0 ppm                                                                  |                      |
|                                     |                |                                       | TWA 1.0 ppm                                                                    |                      |
|                                     |                |                                       | STEL 5.0 ppm                                                                   |                      |
| Carbon Monoxide (CO)                | 73-0065 CO-04  | 0 - 2000 ppm (1 ppm)                  | A1: 25 ppm                                                                     | 9,000 hours          |
|                                     |                |                                       | A2: 50 ppm                                                                     |                      |
|                                     |                |                                       | A3: 1200 ppm                                                                   |                      |
|                                     |                |                                       | TWA 25 ppm                                                                     | 6,200 hours          |
|                                     |                |                                       | STEL 200 ppm                                                                   |                      |
| CO (H <sub>2</sub> )                | 73-0067 CO-04C |                                       |                                                                                |                      |
| Oxygen (O <sub>2</sub> )            | 72-0018 OX-04  | 0 - 40% Vol. (0.1%)                   | A1: 19.5 Vol.<br>A2: 18.0 Vol.<br>A3: 23.5 Vol.                                | 3,000 hours          |
| Dual Sensor<br>CO / O <sub>2</sub>  | 73-0069 CX-04  | CO<br>0 - 2000 ppm (1 ppm)            | A1: 25 ppm                                                                     | 4,600 hours          |
|                                     |                |                                       | A2: 50 ppm                                                                     |                      |
|                                     |                |                                       | A3: 1200 ppm                                                                   |                      |
|                                     |                |                                       | TWA 25 ppm                                                                     |                      |
|                                     |                |                                       | STEL 200 ppm                                                                   |                      |
|                                     |                | O <sub>2</sub><br>0 - 40% Vol. (0.1%) | A1: 19.5 Vol.<br>A2: 18.0 Vol.<br>A3: 23.5 Vol.                                |                      |
|                                     |                |                                       |                                                                                |                      |
|                                     |                |                                       |                                                                                |                      |
|                                     |                |                                       |                                                                                |                      |
|                                     |                |                                       |                                                                                |                      |
| Ammonia (NH <sub>3</sub> )          | 73-0077 SC-04  | 0 - 400.0 ppm (0.5 ppm)               | A1: 25.0 ppm<br>A2: 35.0 ppm<br>A3: 300.0 ppm<br>TWA 25.0 ppm<br>STEL 35.0 ppm | 3,000 hours          |
| Chlorine (Cl <sub>2</sub> )         | 73-0075 SC-04  | 0 - 20.00 ppm (0.05 ppm)              | A1: 1.00 ppm<br>A2: 2.00 ppm<br>A3: 10.00 ppm<br>TWA 0.50 ppm<br>STEL 1.00 ppm |                      |
| Hydrogen Cyanide (HCN)              | 73-0071 SC-04  | 0 - 30.0 ppm (0.1 ppm)                | A1: 5.0 ppm<br>A2: 10.0 ppm<br>A3: 30.0 ppm<br>TWA 4.7 ppm<br>STEL 10.0 ppm    |                      |
| Nitrogen Dioxide (NO <sub>2</sub> ) | 73-0073 SC-04  | 0 - 20.00 ppm (0.05 ppm)              | A1: 2.0 ppm<br>A2: 4.0 ppm<br>A3: 20.00 ppm<br>TWA 0.50 ppm<br>STEL 1.00 ppm   |                      |
| Phosphine (PH <sub>3</sub> )        | 73-0079 SC-04  | 0 - 20.00 ppm (0.01 ppm)              | A1: 0.30 ppm<br>A2: 0.60 ppm<br>A3: 1.00 ppm<br>TWA 0.30 ppm<br>STEL 1.00 ppm  |                      |
| Sulfur Dioxide (SO <sub>2</sub> )   | 73-0081 SC-04  | 0 - 100.00 ppm (0.05 ppm)             | A1: 2.00 ppm<br>A2: 5.00 ppm<br>A3: 100.0 ppm<br>TWA 2.00 ppm<br>STEL 5.00 ppm |                      |

| Common Specifications      |                                                                                                                                                                                                                      |                                                                   |                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------|
| Sample Method              | Diffusion                                                                                                                                                                                                            |                                                                   |                                                                              |
| Response Time              | T90 in 30 seconds                                                                                                                                                                                                    |                                                                   |                                                                              |
| Alarm Types                | Gas alarm                                                                                                                                                                                                            |                                                                   | Trouble alarm                                                                |
|                            | 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                                                                   |
|                            | 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       |
| Datalogging                | 10 sec. intervals = 10 hrs. 5 min. intervals = 300hrs, 10 min. intervals = 600 hours                                                                                                                                 |                                                                   |                                                                              |
|                            | Instrument records alarms, alarm trends, gas readings, calibration & bump test history, instrument settings                                                                                                          |                                                                   |                                                                              |
| Battery Options            | Alkaline dry cell (2-AAA size)                                                                                                                                                                                       |                                                                   |                                                                              |
| Display                    | Digital LCD, gas name & concentration, auto backlighting during alarm, operation icon, battery icon                                                                                                                  |                                                                   |                                                                              |
| Operating Temp. & Humidity | -4°F to 122°F (-20°C ~ +50°C), 0- 90% RH non condensing                                                                                                                                                              |                                                                   |                                                                              |
| Dimensions                 | 2.1" W x 2.64" H x 0.94" D (54 x 67 x 24 mm)<br>2.8 ounce (80g)                                                                                                                                                      |                                                                   |                                                                              |
| Enclosure                  | Dust and water resistant with IP-67 rating                                                                                                                                                                           |                                                                   |                                                                              |
| Safety Rating              | ATEX/IECEX approved. QPS classified, "C / US", as intrinsically safe, Class I, Division 1, Groups A, B, C, D                                                                                                         |                                                                   |                                                                              |
| Standard Accessories       | <ul style="list-style-type: none"> <li>Rubber boot</li> <li>Aligator clip</li> <li>Datalogging software</li> <li>Alkaline batteries</li> </ul>                                                                       |                                                                   |                                                                              |
| Optional Accessories       | <ul style="list-style-type: none"> <li>Calibration cap</li> <li>Wrist strap</li> <li>Calibration kit</li> <li>Belt clip</li> <li>Datalogging download cable</li> <li>SDM-04 Calibration Station (04 2022)</li> </ul> |                                                                   |                                                                              |
| Special Functions          | Manual backlight for LCD (automatically lit during alarm), Peak hold, STEL & TWA                                                                                                                                     |                                                                   |                                                                              |
| Warranty                   | 3 year warranty (1 year for Ammonia and Chlorine)                                                                                                                                                                    |                                                                   |                                                                              |

Specifications subject to change without notice.

