

The 04 Series single gas monitor is designed to operate for many years with field replaceable sensors and filters. Continuous operation lasts up to 9,000 hours on (2) AAA size alkaline batteries. The 3 pre-set alarms are user adjustable, and 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. Sensors have a life expectancy of over 3 years and are backed by a 3 year warranty. 04 Series instruments are safe for use in hazardous locations, classified as intrinsically safe ATEX/IECEX.

Features

- Up to 1 year continuous operation
- NH₃, C₁₂, HCN, NO₂, PH₃ & SO₂ toxic gas detection
- CO with O₂ elimination
- CO & O₂ Dual Sensor
- Field Serviceable
- Pocket size & field resistant
- Replaceable rubber boot
- Alligator clip with 360° rotation
- Audible, Visual, Vibration Alarms
- Automatic Backlight
- Intrinsically safe ATEX & C/US Approvals
- 3 Year Warranty



Common Applications

- Hazardous Material
- Mining
- Refineries / Petrochemical
- Water /Wastewater Treatment
- Pharmaceuticals
- Utilities
- Chemical Plants
- Fire Services

CALL GEOTECH TODAY

(800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue Denver, Colorado 80205

(303) 320-4764 FAX (303) 322 7242

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Technical Specifications

| | | | | |
|-----------------------------|---|----------------------------------|-------------|-------------------------------|
| Sample Method | Diffusion | | | |
| 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 | | | |
| Response Time | T90 in 30 Seconds | | | |
| Accuracy | ± 5% of reading or ± 5 ppm (CO) | ± 5% of reading or ± 2 ppm (H2S) | ± 0.5% (O2) | ± 5% of reading or ± 2% (LEL) |
| 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) | | | |
| Safety Rating | ATEX/IECEx approved. CSA 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 | 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 | -4°F ~ 122°F (-20°C ~ 50°C); | | | |
| Humidity | Humidity below 90% RH (non-condensing) | | | |
| Standard Accessories | Rubber protective boot, Alligator clip, Data logging software, Alkaline batteries, Wrist strap | | | |
| Optional Accessories | Calibration cap, SDM-04 Calibration Station (Q4 2022), Wrist strap, Calibration kit, Belt clip, Datalogging download cable | | | |
| Special Functions | Manual backlight for LCD (automatically lit during alarm), Peak hold, STEL & TWA | | | |
| Warranty | 3 year warranty (1 year for Ammonia and Chlorine) | | | |

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Gases and Detectable Ranges

| Gas | Detection Range | Alarm Set Points | Continuous Operation |
|--------------------------------|--|--|----------------------|
| Hydrogen Sulfide (H2S) | 0 - 100.0 ppm (0.1 ppm) | A1: 5 ppm A2: 30.0 ppm A3: 100.0 ppm TWA: 1.0 ppm STEL: 5.0 ppm | 9,000 hours |
| Carbon Monoxide (CO) | 0 - 2000 ppm (1 ppm) | A1: 25 ppm A2: 50 ppm A3: 1200 ppm TWA: 25 ppm STEL: 200 ppm | 9,000 hours |
| CO (-H2) | 0 - 2000 ppm (1 ppm) | A1: 25 ppm A2: 50 ppm A3: 1200 ppm TWA: 25 ppm STEL: 200 ppm | 6,200 hours |
| Oxygen (O2) | 0 - 40% Vol. (0.1%) | A1: 19.5 Vol. A2: 18.0 Vol. A3: 23.5 Vol. | 3,000 hours |
| Dual Sensor CO / O2 | CO: 0 - 2000 ppm (1 ppm) O2: 0 - 40% Vol. (0.1%) | A1: 25 ppm A2: 50 ppm A3: 1200 ppm TWA 25 ppm STEL 200 ppm A1:19.5 Vol. A2: 18.0 Vol. A3: 23.5 Vol. | 4,600 hours |
| Ammonia (NH3) | 0 - 400.0 ppm (0.05 ppm) | A1: 25.0 ppm A2: 35.0 ppm A3: 300.0 ppm TWA: 25.0 ppm STEL: 35.0 ppm | 3,000 hours |
| Chlorine (Cl2) | 0 - 20.00 ppm (0.05 ppm) | A1: 1.00 ppm A2: 2.00 ppm A3:10.00 ppm TWA: 0.50 ppm STEL: 1.00 ppm | 3,000 hours |
| Hydrogen Cyanide (NO2) | 0 - 30.0 ppm (0.1 ppm) | A1: 5.0 ppm A2: 0.0 ppm A3: 30.0 ppm TWA: 4.7 ppm STEL: 10.0 ppm | 3,000 hours |

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