

04 Series

Single Gas Monitor (Toxic)

- 3 year warranty
- Personal monitoring for HCN, NO₂, SO₂, PH₃, NH₃, CL₂
- Operates 3,000 hours on alkaline
- Pocket size 53mm (W) x 66mm (H) x 22mm (D)
- Lightweight approx 93 grams
- Impact, dust, and water resistant (IP-67)
- Replaceable rubber boot
- Data log 5 to 300 hours with adjustable intervals
- Audible / visual / vibration alarms
- Automatic backlight
- Low battery alarm
- Intrinsically safe, IECEx/ATEX

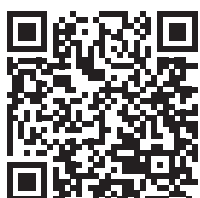
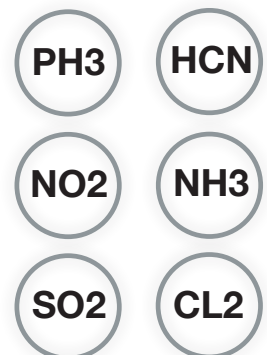


Overview:

The 04 Series toxic single gas monitor is designed to operate for many years. The HCN, NO₂, SO₂, PH₃ and NH₃ versions can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries. The 04 models have 2 preset alarms that are user adjustable. Each version is also equipped with visual, audible, and vibration alarms as standard.

Applications:

- Personal monitoring
- Refineries/petrochemical
- Wastewater treatment
- Confined space
- Utilities
- Chemical plants
- Hazardous material
- Water
- Fire service



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 For More
 Information

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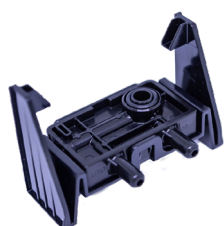
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| Common Specifications | |
|-------------------------------------|--|
| Sampling method | Diffusion type |
| Alarm type | Gas alarms: Three-step alarms, STEL alarm, TWA alarm, OVER alarm Fault alarms: Sensor connection/disconnection, low battery level, calibration failure, clock abnormality, system abnormality |
| Alarm pattern | Self-latching or auto-reset (*1) |
| Alarm indications | Flashing lamp, intermittent audible buzzer, flashing gas concentration readout, vibration |
| Buzzer volume | 80 dB or louder (at 30 cm) |
| Power source*2 | AAA alkaline batteries (x2) |
| Explosion-proof construction | Intrinsically safe explosion-proof construction <alkaline batteries> IECEx: Ex ia IIC T4 Ga/ATEX: II1G Ex ia IIC T4 Ga <Ni-MH batteries> IECEx: Ex ia IIC T3 Ga/ATEX: II1G Ex ia IIC T3 Ga |
| Certifications | IECEX, ATEX, CE Marking |
| Protection level | Equivalent to IP66/67 |
| External dimensions/weight | Approx. 54 mm (W) × 67 mm (H) × 24 mm (D) (excluding projections)/approx. 93 g |
| Functions | Data logger, vibration, STEL alarm, TWA alarm, quick calibration, peak value display, temperature display |
| Standard accessories | AAA alkaline (x2), Rubber protection cover (x1), Alligator clip (x1) |
| Optional accessories | Belt clip, heat-resistant case, dust filter, other filters, calibration cap, hand strap, arm band, data logger management program |

| Individual Model Specifications | | | | | | |
|---|---|---|--|--|--|---|
| Model | SC-04 SO2 | SC-04 HCN | SC-04 NO2 | SC-04 PH3 | SC-04 NH3 | SC-04 CL2 |
| Detection target gas | Sulfur Dioxide | Hydrogen Cyanide | Nitrogen Dioxide | Phosphine | Ammonia | Chlorine |
| Detection principle | Electrochemical type | | | | | |
| Detection range (increments) | 0 - 20.00 ppm (0.05 ppm) | 0 - 30 ppm (0.1 ppm) | 0.0 - 20.0 ppm (0.05 ppm) | 0.0 - 20.00 ppm (0.01 ppm) | 0.0 - 300.0 ppm (0.5 ppm) | 0.0 - 10.00 ppm (0.05 ppm) |
| Display range (increments) | 0 - 100.00 ppm | 0 - 30 ppm | 0 - 20.0 ppm | 0 - 20.00 ppm | 0 - 400.0 ppm | 0.0 - 20.00 ppm |
| Alarm setpoints | A1: 2.00 ppm A2: 5.00 ppm TWA: 2.00 ppm STEL: 5.00 ppm Over: 100.00 ppm | A1: 5.0 ppm A2: 10.0 ppm TWA: 10.0 ppm STEL: N/A Over: 30.0 ppm | A1: 3.00 ppm A2: 5.00 ppm TWA: 3.00 ppm STEL: 5.00 ppm Over: 20.00 ppm | A1: 0.30 ppm A2: 1.00 ppm TWA: 0.30 ppm STEL: 1.00 ppm Over: 20.00 ppm | A1: 25.0 ppm A2: 35.0 ppm TWA: 25.0 ppm STEL: 35.0 ppm Over: 400.0 ppm | A1: 0.50 ppm A2: 1.00 ppm TWA: 1.00 ppm STEL: N/A OVER: 20.00 ppm |
| Operating temperature range | -40 °C to +60 °C (no sudden changes)*3 | | | | | |
| Operating humidity range | 0 to 95 % RH (no-condensation)*4 | | | | | |
| Continuous operating time (alkaline batteries) | Approx. 3,000 hours | Approx. 3,000 hours | Approx. 3,000 hours | Approx. 3,000 hours | Approx. 3,000 hours | Approx. 3,000 hours |

Calibration cap



Makes it easier to zero the sensor and check its responsiveness and calibration

Heat-resistant case *5



To help your instrument withstand high temperature conditions.

Alligator clip



To easily clip onto a belt, pocket etc.

*1. Standard setting: Self-latching.

*2. Use dry-cell batteries listed on the Certificate to meet the explosion-proof performance.

*3. Temporary ambient conditions for approx. 15 minutes. The continuous operating ambient temperature ranges are as follows: temperature: -20 °C to +50 °C (no sudden changes)

*4. Temporary ambient conditions for approx. 15 minutes. The continuous operating ambient humidity ranges are as follows: humidity: 10 to 90 % RH (no-condensation)

*5. This cover is non-explosion proof.