

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

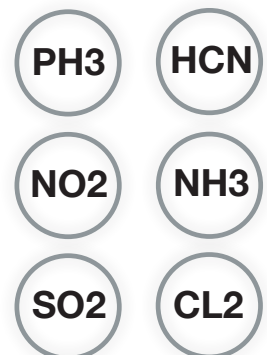
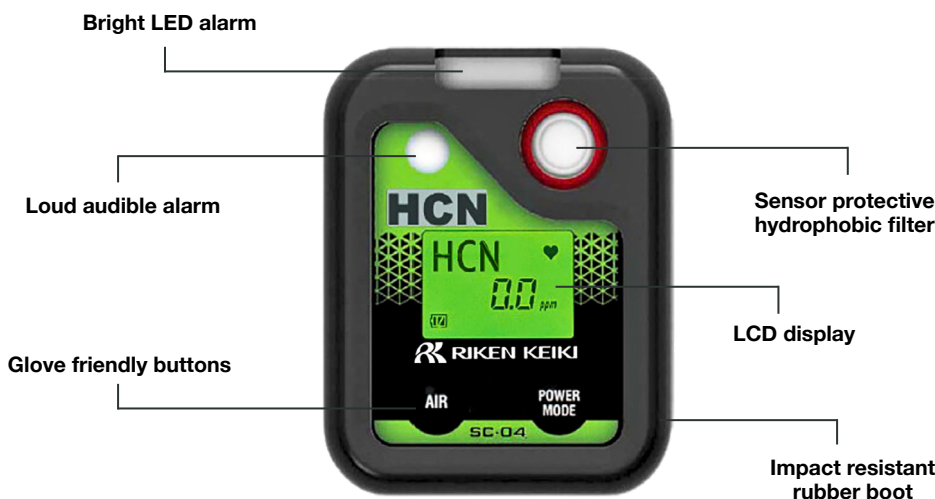


Overview

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

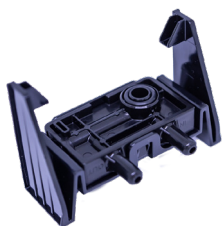
- Personal monitoring
- Refineries/petrochemical
- Wastewater treatment
- Confined space
- Utilities
- Chemical plants
- Hazardous material
- Water
- Fire service



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 (×2)
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 (×2), Rubber protection cover (×1), Alligator clip (×1)
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.