

04 SERIES

Single Gas Monitor (Standard)

- 3 year warranty
- Personal monitoring for O₂, H₂S, CO
- CO with H₂ elimination
- O₂ / CO combo sensor
- Pocket size 53mm (W) x 66mm (H) x 22mm (D)
- Lightweight approx 93 grams
- Operates 3,000 hours on alkaline
- Replaceable rubber boot
- Data log 5 to 300 hours with adjustable intervals
- Audible / visual / vibration alarms
- Automatic backlight
- Low battery alarm



Overview

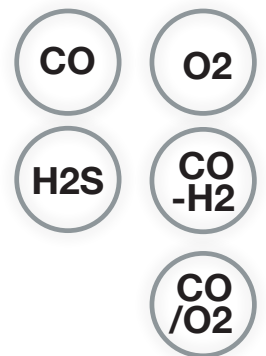
The 04 Series single gas monitor is designed to operate for many years. The 04 models have 2 preset alarms that are user adjustable. Each version is also equipped with visual, audible, and vibration alarms as standard.

Sensors have a life expectancy of over 3 years and backed by a 3 Year Warranty.

Each 04 Series monitor is impact, dust, and water resistant with an IP-67 rating. 04 Series instruments are safe for use in hazardous locations, classified as intrinsically safe IECEx/ATEX.

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) or AAA Ni-MH (eneloop) 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)						

Individual Model Specifications							
Model	OX-04	HS-04	CO-04	CO-04(C-)	CX-04		SC-04
Detection target gas	Oxygen	Hydrogen sulfide	Carbon monoxide	Carbon monoxide (Reduced hydrogen interference)	Carbon monoxide	Oxygen	Sulfur dioxide
Detection principle	Electrochemical type						
Detection range (Service range)	0.0 to 25.0 % (25.0 to 40.0 %)	0.0 to 30.0 ppm (30.0 to 200.0 ppm)	0 to 500 ppm (500 to 2000 ppm)	0 to 500 ppm (500 to 2000 ppm)	0 to 500 ppm (500 to 2000 ppm)	0.0 to 25.0% (25.0 to 40.0%)	0.00 to 20.00 ppm (20.00 to 100.00 ppm)
1 digit	0.1 %	0.1 ppm (0.0 to 100.0ppm) 1.0 ppm (100.0 to 200.0 ppm)	1 ppm (0 to 300 ppm) 10 ppm (300 to 2000 ppm)	1 ppm (0 to 300 ppm) 10 ppm (300 to 2000 ppm)	1 ppm (0 to 300 ppm) 10 ppm (300 to 2000 ppm)	0.1%	0.05 ppm
Alarm setpoints	L 19.5 % H 23.5 %	1st 10.0 ppm 2nd 15.0 ppm TWA 10 ppm STEL 15 ppm	1st 30 ppm 2nd 60 ppm TWA 30 ppm STEL 60 ppm	1st 30 ppm 2nd 60 ppm TWA 30 ppm STEL 60 ppm	1st 30 ppm 2nd 60 ppm TWA 30 ppm STEL 60 ppm	L 19.5% H 23.5%	1st 2 ppm 2nd 5 ppm TWA 2 ppm STEL 5 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) (Ni-MH batteries)	Approx. 3,000 hours Approx. 2,000 hours	Approx. 9,000 hours Approx. 6,000 hours	Approx. 9,000 hours Approx. 6,000 hours	Approx. 6,200 hours Approx. 4,200 hours	Approx. 4,600 hours Approx. 3,000 hours		Approx. 3,000 hours Approx. 2,000 hours

*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

Accessories

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

