

Portable gas monitors

1. Broad lineup featuring seven models

Supports a wide range of applications in all kinds of environments.
 *LEL/CO₂/NH₃/Cl₂/NO₂/PH₃ models are scheduled to be added to the lineup one after another.

2. Three-year sensor warranty

Reduced running costs by replacing sensors once every three years.
 • One-year sensor warranty for galvanic cell type

3. Newly developed R sensor installed for improved performance

Incorporates R sensor with outstanding durability and performance allowing use over a wide range of temperatures.
 First Japanese manufactured model to include CO & O₂ dual sensor
 Single sensor simultaneously detects two different gases.

Model 04 Series

Certificate of conformity for electrical equipment used in potentially explosive atmospheres (pending)

ATEX/IECEx explosion-proof certification (pending)

Protection level equivalent to IP66/67 (currently under testing)



Attached to breast pocket



Attached to belt

<Gas specifications list>

Model OX-04G (Galvanic cell type) 	Model OX-04 (Electrochemical type) 	Model CO-04 	Model HS-04 
Model CO-04(C-) (Reduced H ₂ interference) 	Model CX-04 	Model SC-04 	04 Series Other types 

LEL/CO₂/NH₃/Cl₂/NO₂/PH₃
 Six more gas specification types are scheduled to be added.

Specifications

<Common specifications>

Detection method	Diffusion type
Alarm type	Gas alarms: Three-step alarms, STEL alarm, total or TWA alarm(*1), OVER alarm Fault alarms: Sensor connection/disconnection, low battery level, calibration failure, clock abnormality, system abnormality, M OVER
Alarm type	Auto-reset or self-latching(*2)
Alarm pattern	Lamp flashing, intermittent buzzer sounding, gas concentration readout blinking, vibration
Power source	AAA alkaline or Ni-MH (eneloop) batteries (× 2)
Protection level	Equivalent to IP66/67 (currently under testing)
Explosion-proof construction	Intrinsically safe explosion-proof construction (Ex ia IIC T4 Ga) (pending)
Certifications	Certificate of conformity for electrical equipment used in potentially explosive atmospheres, ATEX, IECEx (pending)
External dimensions	Approx. 54 mm (W) × 67 mm (H) × 24 mm (D) (excluding projections)
Weight	Approx. 80 g
Functions	Data logger, vibration, STEL alarm, total or TWA alarm(*1), quick calibration, peak value display, temperature display

<Individual model specifications>

Model	OX-04G	OX-04	CO-04	HS-04	CO-04 (C-)	CX-04		SC-04
Detection target gas	O ₂	O ₂	CO	H ₂ S	CO (Reduced H ₂ interference)	CO	O ₂	SO ₂
Detection principle	Galvanic cell type	Electrochemical type						
Detection range (1 digit)	0 to 40 vol% (0.1)	0 to 40 vol% (0.1)	0 to 300 ppm (1) 300 to 2,000 (10)	0 to 30 ppm (0.1) 30 to 200 ppm (1)	0 to 300 ppm (1) 300 to 2,000 (10)	0 to 300 ppm (1) 300 to 2,000 (10)	0 to 40 vol% (0.1)	0 to 100 ppm (0.05)
Service range (domestic models)	25-40 vol%	25-40 vol%	300-2,000 ppm	30-200 ppm	300-2,000 ppm	300-2,000 ppm	25-40 vol%	20-100 ppm
Service range (overseas models)	25-40 vol%	25-40 vol%	300-2,000 ppm	100-200 ppm	300-2,000 ppm	300-2,000 ppm	25-40 vol%	20-100 ppm
Alarm setpoints (domestic models)	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	1st: 50 ppm 2nd: 150 ppm 3rd: 150 ppm Total: 150 ppm STEL: 200 ppm	1st: 1 ppm 2nd: 10 ppm 3rd: 10 ppm TWA: 1 ppm STEL: 5 ppm	1st: 50 ppm 2nd: 150 ppm 3rd: 150 ppm Total: 150 ppm STEL: 200 ppm	1st: 50 ppm 2nd: 150 ppm 3rd: 150 ppm Total: 150 ppm STEL: 200 ppm	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	1st: 2 ppm 2nd: 5 ppm 3rd: 5 ppm TWA: 2 ppm STEL: 5 ppm
Alarm setpoints (overseas models)	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	1st: 25 ppm 2nd: 50 ppm 3rd: 1,200 ppm TWA: 25 ppm STEL: 200 ppm	1st: 5 ppm 2nd: 30 ppm 3rd: 100 ppm TWA: 1 ppm STEL: 5 ppm	1st: 25 ppm 2nd: 50 ppm 3rd: 1,200 ppm TWA: 25 ppm STEL: 200 ppm	1st: 25 ppm 2nd: 50 ppm 3rd: 1,200 ppm TWA: 25 ppm STEL: 200 ppm	L: 18.0 vol% LL: 18.0 vol% H: 25.0 vol%	1st: 2 ppm 2nd: 5 ppm 3rd: 100 ppm TWA: 0.25 ppm STEL: 0.25 ppm
Operating temperature range	-20 °C to +50 °C (no sudden changes)	-20 °C to +50 °C (no sudden changes) (Approx. 15-minute temporary use environment: -40 °C to +60 °C [no sudden changes])						
Operating humidity range	10 to 90 %RH (no condensation)	10 to 90 %RH (no condensation) (Approx. 15-minute temporary use environment: 0 to 95 %RH [no condensation])						
Continuous operating time(AAA alkaline)	Approx. 9,000 hours	Approx. 3,000 hours	Approx. 9,000 hours	Approx. 9,000 hours	Approx. 6,200 hours	Approx. 4,600 hours		Approx. 3,000 hours
Continuous operating time(Ni-MH batteries)	Approx. 6,000 hours	Approx. 2,000 hours	Approx. 6,000 hours	Approx. 6,000 hours	Approx. 4,200 hours	Approx. 3,000 hours		Approx. 2,000 hours

*1 CO-04, CO-04 (C-), CX-04 domestic models: Total alarm; Other: TWA alarm

*2 CO-04, CO-04 (C-), CX-04 domestic models: Auto-reset; Other: Self-latching

Accessories

- AAA alkaline or Ni-MH (eneloop) batteries (× 2) (specified at time of order)
- Spring pins (× 2) (used to mount accessories on to the rear face)
- Rubber protection cover (× 1)
- Belt clip (× 1)
- Alligator clip (× 1) (overseas models only)

Optional items (sold separately)

- Alligator clip (× 1)
- Helmet mounting clip (for CO sensor)
- Heat-resistant case
- Dust filter
- CF-1821 filter (for CO sensor)
- CF-A13i-1 humidity control filter (for H₂S sensor)
- H₂S removal filter (for SO₂ sensor)
- Calibration adapter
- Hand strap
- Belt

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