Now incorporates new R sensor for durability and advanced functions

– The lineup offers various sensors and one of the world's longest continuous operating times –

RIKEN KEIKI

distrame
instruments de mesures électroniques

Portable gas monitor
Model
04 Series

Model OX-04

Detection target gas: Oxygen (electrochemical type)

Model OX-04G

Detection target gas: Oxygen (galvanic cell type)

Model HS-04

Detection target gas: Hydrogen sulfide

Model CO-04

Detection target gas: Carbon monoxide

Model CO-04 (C-)

Detection target gas: Carbon monoxide (reduced hydrogen interference)

Model CX-04

Detection target gas: Carbon monoxide and oxygen

Model SC-04

Detection target gas: Sulfur dioxide

Advanced functions and durability

1 Now with a continuous operating time of 9,000 hours
With these products, we've achieved continuous operating times of approximately 9,000 hours*, among the best figures for a compact portable multi gas monitor.
* OX-04G/CO-04/HS-04

2 Passed 7 m drop resistance test
Reduces the risk of damage to the device when working in elevated locations for use with confidence.

3 Incorporates durable new R sensor with advanced functions
• Completely upgraded sensors. The sensor's superior durability and performance are backed by a three-year warranty (one year sensor warranty for OX-04G).
• Usable across a wide range of temperatures (-40 °C to +60 °C).
• We offer a lineup of carbon monoxide sensors almost entirely resistant to hydrogen interference. They're ideal for use in environments like steel facilities where hydrogen is present.
• We're the first Japanese manufacturer to offer a lineup of dual carbon monoxide and oxygen sensors, bringing two-channel detection to the market in a compact and portable form factor.

Full range of functions in a safe, secure design

1 A safe design you can use anywhere
• Protection level: Equivalent to IP66/67; designed to resist dust and water for confident use outdoors
• Intrinsically safe explosion-proof design (ATEX/IECEx/Japan Ex) for use in hazardous locations

2 Device power options include rechargeable or alkaline batteries
Select the convenience of universally available alkaline batteries. Or use rechargeable batteries over and over. (Specify type when submitting order.)

Attached to belt   Attached to breast pocket

RIKEN KEIKI CO., LTD.

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＞ATEX: II1G Ex ia IIC T4 Ga/IECEx: Ex ia IIC T4 Ga/Japan Ex: Ex ia IIC T4 Ga ＜Ni-MH batteries＞ATEX: II1G Ex ia IIC T3 Ga/IECEx: Ex ia IIC T3 Ga/Japan Ex: Ex ia IIC T3 Ga
Certifications	ATEX, IECEx, Japan Ex, 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

Individual model specifications

Model	OX-04G	OX-04	HS-04	CO-04	CO-04(C-)	CX-04	SC-04
Detection target gas	Oxygen	Oxygen	Hydrogen sulfide	Carbon monoxide	Carbon monoxide (Reduced hydrogen interference)	Carbon monoxide	Oxygen	Sulfur dioxide
Detection principle	Galvanic cell type	Electrochemical type					
Detection range (Service range)	0.0 to 25.0 % (25.0 to 40.0 %)	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 %	0.1 ppm (0.0 to 30.0 ppm) 1.0 ppm (30.0 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 18.0 % LL 18.0 % H 25.0 %	L 18.0 % LL 18.0 % H 25.0 %	1st 5.0 ppm 2nd 30.0 ppm 3rd 100.0 ppm TWA 1 ppm STEL 5 ppm	1st 25 ppm 2nd 50 ppm 3rd 1200 ppm TWA 25 ppm STEL 200 ppm	1st 25 ppm 2nd 50 ppm 3rd 1200 ppm TWA 25 ppm STEL 200 ppm	1st 25 ppm 2nd 50 ppm 3rd 1200 ppm TWA 25 ppm STEL 200 ppm	L 18.0 % LL 18.0 % H 25.0 %	1st 2 ppm 2nd 5 ppm 3rd 100 ppm TWA 2 ppm STEL 5 ppm
Operating temperature range	-20 °C to +50 °C (no sudden changes)	-40 °C to +60 °C (no sudden changes)*3					
Operating humidity range	10 to 90 % RH (no condensation)	0 to 95 % RH (no condensation)*4					
Continuous operating time (Alkaline batteries) (Ni-MH batteries)	Approx. 9,000 hours Approx. 6,000 hours	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 condensatioxxn)

Accessories

◆ AAA alkaline (×2) or Ni-MH (eneloop) batteries (×2) (specify at time of order)
◆ Rubber protection cover (×1)
◆ Alligator clip (×1)

Optional accessories

◆ Belt clip ◆ Other filters ◆ Arm band
◆ Heat-resistant case*5 ◆ Calibration cap ◆ Data logger management program
◆ Dust filter ◆ Hand strap
*5. This cover is non-explosion proof.

★ Distributed by:

※The contents described in this catalog are subject to change without notice according to the performance improvement.

PC0E-1051-200430 Ⓢ