



RIKEN KEIKI

Personal single gas monitor Model: 03 series

ATEX intrinsic safe design

Explosion proof: Exia II CT4 (Alkaline battery)

Ingress proof rating: IP 67

Model: GP-03

Combustible gases
detection

• Interchangeable battery

Alkaline battery is standard power source,
Ni-MH battery can be installed as optional choice.

• Comfortable wearable design

Well-balanced weight and shape ensure comfortable
wearing. Alligator clip prevents the unit from dropping.



*Sensor, filter, and battery are replaceable.
Robust waterproof design and Intrinsically Safety rating make
the 03 series the ideal gas monitor for many hazardous
applications!*

Application

- ⊙ LEL monitoring for gas pipeline installations.
- ⊙ LEL & CO monitoring while checking or installing gas meters.
- ⊙ O₂ & H₂S monitoring while working in tanks, pits, or other confined spaces.
- ⊙ CO monitoring in iron and steel plants
- ⊙ H₂S monitoring around oil fields, refineries, petrochemical plants.



Model: OX-03

Oxygen detection



Model: HS-03

Hydrogen sulfide
detection



Model: CO-03




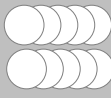



Carbon monoxide
detection

Specifications

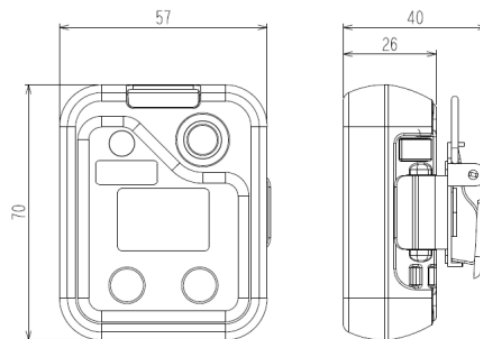
Model	GP-03	OX-03	HS-03	CO-03
Gas detected	Combustible gases	Oxygen	Hydrogen sulfide	Carbon monoxide
Detection principle	Catalytic combustion	Galvanic cell	Electro-chemical cell	
Detection range	0~100%LEL	0~40.0%	0~100.0ppm	0~500ppm
Increments	1%LEL	0.1%	0.5ppm	1ppm
Preset alarms	1st : 10%LEL 2nd : 50%LEL OVER : 100%LEL	1st : 19.5% 2nd : 18.0% OVER : 40.0%	1st : 5.0ppm 2nd : 30.0ppm STEL : 5.0ppm TWA : 5.0ppm OVER : 100.0ppm	1st : 25ppm 2nd : 50ppm STEL : 200ppm TWA : 25ppm OVER : 500ppm
Types of alarm※1	Gas alarms: 2 preset alarms, Over scale alarm, STEL, TWA Trouble alarms: Sensor disconnection, Low battery, Calibration error, Clock error, System error			
Alarm method	Latching	Latching	Latching	Latching
Display of alarm	Gas alarms: Flashing LEDs, Intensity change buzzer, Flashing gas value, Vibration Trouble alarms: Flashing LEDs, continuous buzzer, display of error message			
Operating temp. & humidity	-20~+50°C [-4° F ~ 122° F] 0~90%RH (Non-condensing)	-20~+50°C [-4° F ~ 122° F] 0~95%RH (Non-condensing)	-20~+50°C [-4° F ~ 122° F] 16~85%RH (Non-condensing)	
Power source	2 AAA size Alkaline dry battery (Optional AAA size Ni-MH battery [Eneloop])			
Continuous operation※2	Alkaline battery: Approx.35 h Ni-MH battery: Approx.30 h	Alkaline battery: Approx.3000 h Ni-MH battery: Approx.2000 h		
Response time	90% response within 30 sec	90% response within 20 sec	90% response within 30 sec	
Ingress proof	IP 67			
Explosion proof	Alkaline dry battery version: Exia II CT4 Ni-MH battery version: Exia II CT3			
Approvals	IECEX, ATEX			
Dimension & weight	Approx. 57(W) x 70(H) x 26(D) mm [2.1(W) x 2.64(H) x 0.94(D) inches] with rubber protection cover, 80g [2.8 ounces]			
Function	Manual LCD backlight (Automatically ON when alarming), Peak value, Data logging, Time, CAL alarm, BUMP alarm			

※1 STEL and TWA alarms are available on HS-03 and CO-03 only. ※2 No alarm, no light at 25°C

Accessories

Standard	Rubber protection cover	Alligator clip	Alkaline dry battery		
					
Optional	Hand strap	Filter	Belt clip	Battery charger	Ni-MH battery
					

Outer dimension



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