

RIKEN KEIKI 03 Series CONDENSED USER GUIDE

Preparation for start-up

- 1. Check that the batteries are installed.
- 2. Check that the dust filter is free of dust.
- 3.Check that the gas monitor is not damaged.

How to use

1. How to start the gas monitor

Press the POWER/MODE button until the buzzer blips. About 15 seconds after Power on,

short sound will be made twice.

Then this gas monitor enters detection mode.

2. Air calibration

Keep the AIR button pressed until "Adj "on the LCD. Readings is shown as 0(Zero). If it is OX-03, 20.9vol% is shown.

CAUTION: Perform it in fresh air.

Buzzer sound opening Communication port Alarm lamp Sensor part Gas name indication Display(LCD) POWER/MODE button · AIR button Rubber protection cover

[Names for each part]

3. How to detect

Please confirm this unit is in detection mode, then please equip this unit so as not to hide the sensor part. It detect target gas in the atmosphere.

4.Alarm action/How to turn off the alarm

[Alarm action]

Buzzer makes sounds, readings and lamp blink.

[How to turn off the alarm]

How to turn off the alarm is different for each type.

- In case of CO-03 When the gas concentration is lower than the first alarm set point, a gas alarm will be reset automatically.
- In case of GP-03/OX-03/HS-03 When the gas concentration is lower than the first alarm set point (for oxygen, higher than the first alarm set point), a gas alarm can be reset by pressing the POWER/ MODE or AIR button

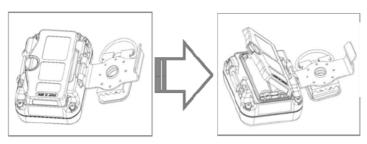
5. How to exit

Press and hold POWER button until the LCD does not show anything.

Note: Regarding detail, refer to instruction manual.

· Alligator clip Battery cover

Replace the batteries



Dry battery type: Alkaline dry battery
Rechargeable battery type: Nickel metal

hydride battery

<Replace the batteries>: Remove belt clip and open battery cover, then replace the 2 dry battery. If it is rechargeable type, charge batteries with designated charger.

<CAUTION>: Turn off the power of the gas monitor before replacing the batteries.

Replace both of the two batteries with new ones at one time.

Pay attention to the polarities of the batteries when replacing them.

Use only the batteries specified by RIKEN KEIKI on this gas monitor.

Replace the batteries in a non-hazardous area.

Troubleshooting

Symptoms	Causes	Actions
System abnormalities	A circuit abnormality occurred.	Request RIKEN KEIKI for
[SYSTEM FAIL]		repair.
Sensor abnormalities	A sensor has failed.	Request RIKEN KEIKI for
[SENSOR FAIL]		repair.
A low battery voltage	The battery level is low.	Turn off the power and replace
alarm is displayed.		the dry batteries with new ones
[BATTERY FAIL]		in a non-hazardous area.
Fresh air adjustment	Fresh air is not supplied around	Supply fresh air.
cannot be performed.	the gas monitor.	
AIR FAIL		
(GP-03/OX-03/HS-03)		
Span adjustment	Span calibration gas with	Supply span calibration gas
cannot be performed.	appropriate concentration is not	with appropriate concentration.
CO FAIL (CO-03)	supplied.	
Clock abnormalities	Abnormalities of the internal clock	Make a setting of Date/Time. If
[CLOCK FAIL]	The gas monitor is left for a long	such a symptom is observed
	time with the batteries removed	repeatedly, the built-in clock is
	(or with dead batteries).	seemingly malfunctioning.

This simply helps to find the causes of malfunctions which frequently occur. If the gas monitor shows a failure which is not explained in this manual, or still has malfunctions even though troubleshooting are taken, please contact RIKEN KEIKI.

Since this is a safety unit,

Perform a maintenance once or more for every six months to maintain the performance as a safety unit.

Note: Regarding detail, refer to instruction manual.

RIKEN KEIKI Co., Ltd.