

Preparations for startup

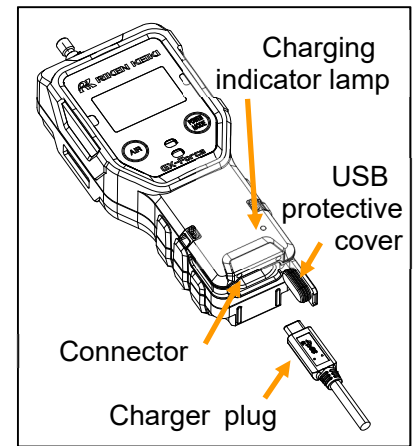
Check the following before starting gas detection:

- The type and specifications and gas alarm setpoints of the particular product being used.
- Confirm that the filters are present inside the product and are not contaminated or clogged.
- Confirm that the battery level is sufficient.
- Confirm that the pump is operating normally.
(Check that a low flow rate alarm occurs when the gas inlet is blocked with a finger.)

How to use

1. Charging the lithium ion battery

- (1) Open the USB protective cover on the product.
- (2) Insert the charger plug into the USB Type-C connector of the main unit.
- (3) Plug the charger into the outlet.
(Lights up to confirm charging. Fully recharged in up to 10 hours, approximately 10 hours of use with a 3-hour charge)



2. Turning on the power

Hold down the **POWER** button (for at least three seconds) until the buzzer blips. The power is turned on, and after the initial operation, the measurement screen appears.

3. Fresh air adjustment

Hold down the **AIR** button in measurement mode. When "RELEASE" appears at the bottom of the screen, Release the **AIR** button.

4. Gas detection

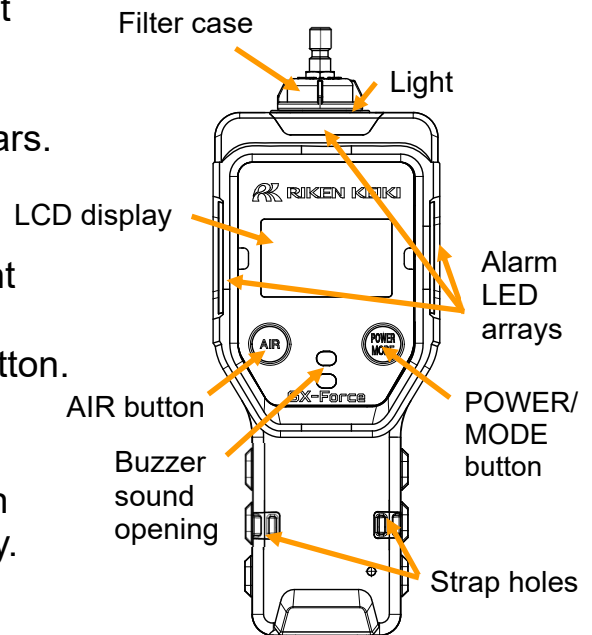
Point the gas inlet at the detection location and read the indication on the LCD display.

5. Gas alarm

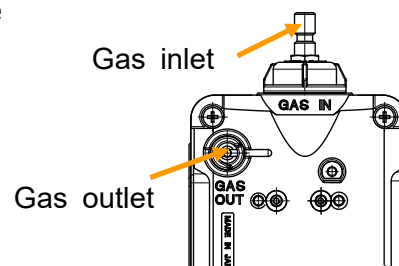
A gas alarm is triggered if the concentration of the detected gas reaches or exceeds the alarm setpoints. If the gas concentration falls below the set value, the alarm can be reset by pressing the **MODE** button.

6. Turning off the power

Hold down the **POWER** button.



Front



Back

Display mode

Display mode lets users review and change various display settings and perform other operations. Changed settings are saved.

Switching to display mode

- (1) Press the **MODE** button in measurement mode.
(Screen switching with each press of **MODE** button)
- (2) Display the item to be displayed or change the setting, and press the **AIR** button.
- (3) After completing the settings, press the **MODE** button.

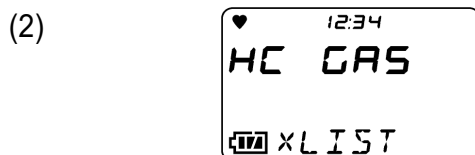
No.	Contents (LCD display)	No.	Contents (LCD display)
1	Light ON/OFF (LIGHT)	6	Adjustment data display (CAL DATA)
2	PEAK value display (PEAK)	7	BUMP test data display (BUMPDATA)*
3	STEL value display (STEL)	8	Snap log data display (REC.DATA)
4	TWA value display (TWA)	9	Date and time and temperature display (DATE)
5	Combustible gas conversion setting (HC GAS)	10	Alarm setpoints display (ALARM-PT)

* It is not displayed by default. Please refer to the instruction manual for the display method.

Combustible gas conversion setting

Combustible gas measurements can be displayed as a concentration of a gas preregistered in the product.

- (1) Press the **POWER** button and turn on.



Press **MODE** button several times in the measurement mode to display the above screen.



Press **AIR** button to select the combustible gas to be converted.
(Default: Calibration gas for the combustible gas sensor)

- (4) Press **MODE** button.

Combustible gas conversion is set.
[END] appears and the display returns to the screen in Step 2.

Combustible gas conversion list

Gas name	Gas name display	Calibration gas conversion	
		CH ₄	i-C ₄ H ₁₀
Methane	CH ₄	-	×
Isobutane	i-C ₄ H ₁₀	○	-
Hydrogen	H ₂	○	○
Methanol	CH ₃ OH	○	○
Acetylene	C ₂ H ₂	○	○
Ethylene	C ₂ H ₄	○	○
Ethane	C ₂ H ₆	○	×
Ethanol	C ₂ H ₅ OH	○	○
Propylene	C ₃ H ₆	○	○
Acetone	C ₃ H ₆ O	○	○
Propane	C ₃ H ₈	○	×
Butadiene	C ₄ H ₆	○	○
Cyclopentane	C ₅ H ₁₀	○	○
Benzene	C ₆ H ₆	○	○
n-Hexane	n-C ₆ H ₁₄	○	○
Toluene	C ₇ H ₈	○	○
n-Heptane	n-C ₇ H ₁₆	○	○
Xylene	C ₈ H ₁₀	○	○
n-Nonane	n-C ₉ H ₂₀	○	○
Ethyl acetate	EtAc	○	○
Isopropyl alcohol	IPA	○	○
Methyl ethyl ketone	MEK	○	○
Methyl methacrylate	MMA	○	○
Dimethyl ether	DME	○	○
Methyl isobutyl ketone	MIBK	○	○
Tetrahydrofuran	THF	○	○
n-Pentane	n-C ₅ H ₁₂	○	○

NOTE : Refer to the instruction manual for details.