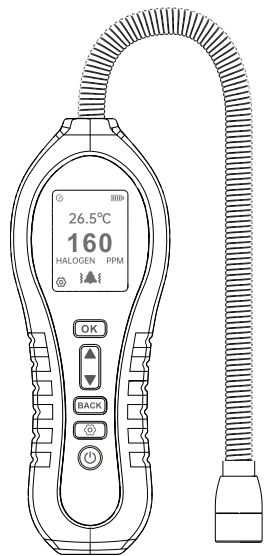
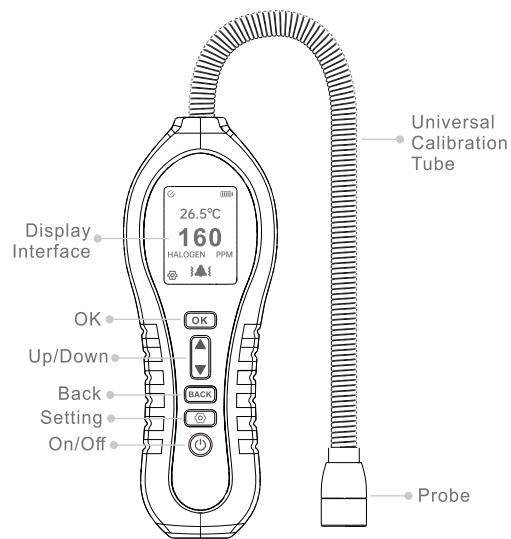


Halogen Gas Detector

NF-604

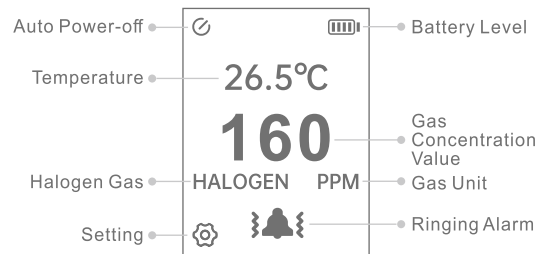


Instructions for Product Buttons and Interfaces




NF-604

Display Interface



Description of Product Functions

1. On/Off

On/Off: Long press the power button "  " for 2s to turn off.

Power on preheating: After powering on, the instrument will automatically preheat. A 30-second countdown will begin, and upon countdown completion, it will enter the reading mode, allowing for testing to commence.

When the instrument is turned on, it will automatically perform a sensor self-check (a beep from the buzzer + motor vibration). If the self-check is normal, the preheating countdown will commence.

If a sensor malfunction occurs, the screen will display "Sensor Malfunction", requiring the instrument to be returned to the factory for repairs.

2. Gas Detection

Detectable Gases:

Detection of halogen gases (including chlorine and fluorine);
Detection of the medical ethylene oxide, ethanol gas, etc.
Detection of the halon gas in fire extinguishing systems;
Detection of the air conditioner, refrigeration systems, refrigerant recovery units, etc.

- ① CFCS (Chlorofluorocarbons): R11, R12, R13, R113, R114, R502, R500, R503, R170, R600a, R1270, etc.
- ② HCFC (Hydrochlorofluorocarbons) R22, R32, R123, R124, R141b, R142b, R402A, R402B, R403A, R409A, etc.
- ③ HFCS (Hydrofluorocarbons): R410a, R134a, R404a, R125, R407C, R417A, R507, R23, R1343, etc.

Overrun Alarm:

- ① Gas concentration value < Low-limit alarm, displayed in white font, no alarm.
- ② Low-limit alarm < Gas concentration value < High-limit alarm, displayed in white font, intermittent vibration, soft beeping.
- ③ Gas concentration value > High-limit alarm, displayed in red font, continuous vibration, rapid beeping.

Operation Skills:

- ① In open areas with good ventilation, it may be difficult to detect even larger leaks because the leaked refrigerant dissipates quickly. In such cases, it is recommended to cover the areas where leaks may occur.
- ② When there are multiple leakage points, it is recommended to first identify the more severe ones. Once the major leakage points are located, it will be easier to find the minor ones.
- ③ If the probe comes into contact with methane or other volatile gases, it may trigger an alarm. Therefore, this situation should be avoided during inspection.

Notes:

- ① During detection, the air conditioner or refrigeration equipment should be filled with sufficient refrigerant.
- ② Please keep the probe clean to avoid affecting the detection results.
- ③ In a refrigeration system, detection should be carried out along a continuous path. When conducting leak detection, the probe should be moved around the component being inspected at a rate not exceeding 25-50mm/s and kept at a distance from the surface not exceeding 5mm. It is essential to fully encircle the component during movement to achieve optimal results. An alarm indicates that a leak has been found.
- ④ Please do not expose the instrument to high concentrations of corrosive gases (such as alcohol, smoke, formaldehyde, toluene, benzene, acetone, lighter gas and paint), as it may cause corrosion or damage to heating materials and sensor wires, and lead to irreversible degradation of the sensitive material's performance.


3. Temperature Monitoring

This product utilizes temperature measurement using a thermistor ($^{\circ}\text{C}/^{\circ}\text{F}$).


When testing the ambient temperature, the instrument needs to be placed in the environment for at least half an hour.

4. Setting

After powering on, short press Setting " " to enter the setting interface.

In the setting interface, press Up/Down " " to switch between language setting, alarm setting, unit setting, auto power-off setting, and information about this instrument.

- ① **Language setting:** Switch between simplified Chinese and English.
- ② **Alarm setting:** The high-limit alarm value and the low-limit alarm value can be set (Note: The high-limit alarm value must be greater than the low-limit alarm value).
- ③ **Unit setting:** Switch the temperature unit ($^{\circ}\text{C}/^{\circ}\text{F}$); The refrigerant gas unit is defaulted to be in PPM.

- ④ **Auto power-off setting:** The auto power-off time can be set (15min, 30min, 60min, never). When the auto power-off time is set, an auto power-off icon " " will be displayed in the top left corner of the main interface.
- ⑤ **About this instrument:** You can view information about this instrument.

Packing List

Halogen Gas Detector	1 set	Color Box	1 pc
Tool Kit	1 pc	User Manual	1 copy
Conformity Certificate/Warranty Card	1 copy		

Notes: The manual is for reference only. Changes may be made without notice. The actual product shall prevail.

Packing List

Model	NF-604
Display Screen	Color screen
Gas Detection	CFCS (Chlorofluorocarbons): R11, R12, R13, R113, R114, R502, R500, R503, R170, R600a, R1270, etc.
	HCFC (Hydrochlorofluorocarbons): R22, R32, R123, R124, R141b, R142b, R402A, R402B, R403A, R409A, etc.
	HFCS (Hydrofluorocarbons): R410a, R134a, R404a, R125, R407C, R417A, R507, R23, R1343, etc.
Range	0~1000PPM
Resolution	1PPM
Preheating Time	30S
Temperature Monitoring	-10~50 $^{\circ}\text{C}$ /14~122 $^{\circ}\text{F}$
Alarm Setting	High-limit alarm/low-limit alarm
Alarm Types	Beep sound, vibration, display
Language Setting	Simplified Chinese and English
Refrigerant Gas Unit	PPM
Auto Power-off	15min, 30min, 60min, never
Working Hours	>6h
Low Battery Alert	4.35 \pm 0.1V
Low Battery Power-off	3.5 \pm 0.2V
Power Supply	4*1.5V AAA
Size	173 \times 63 \times 31mm



深圳市诺方舟电子有限公司

编号	201	202	301	302	303	304	305	比例:	1:1	品号:	304-M1901-0002
类目	塑胶件	五金类	镜片	PVC贴纸	不干胶贴	说明书	包装盒	单位:	mm		
选择						√		设计	CZG	品名:	NF-604说明书折页英文-V1 20240327
306	307	308	309	310	311	312	313	核准			
彩卡	吸塑	工具包	PE袋	纸箱	宣传单	合格证	打印标签	标准:	√	文件类型:	做货文件
								定制:			
制作日期	2024.03.27			样式	4折页		印刷材质	128g双铜纸			
印刷要求	单色			页码			变更记录				
尺寸大小	320*120mm			版本	V1						