



## Introduction

### Description:

OC-904A Portable Hydrogen Fluoride HF gas detector used to detect the HF gas concentration in many applications, including of the chemical industry, petroleum, gas station, metallurgy, agriculture, biology pharmaceuticals, power, lab research and other industry environment where need to inspect HF gas concentration.

The portable HF gas detector with the LED light, it's very convenient for the dark place usage.



**Features:**

Original imported sensor with high performance and precision, good stability and repeatability, long working time.

TFT LCD screen display the measuring data.

Record the alarm data of 10,000 sets.

Adjustable preset two-stage alarm level.

With the 32bit low power consumption ARM processor and quick response.

Restore factory setting function, avoid the mis-operation.

Three alarm mode: Audible, Visual, Vibration.

Support for 4 sensor at the same time.

Support the Chinese/English language menu.

The menu interface with words and icon.

LED light function, can provide the light in the dark area or other Emergency time.

LED indicate light, will flash in the dark area.

USB charger port.

Explosion-proof grade of Ex ib IIB T3 Gb;

Protect grade of IP65.



### Technical Specification:

Item	Description
Gas type:	Hydrogen Fluoride(HF)
Working principle:	Electrochemical sensor
Testing mode:	Diffusion sampling.
Display mode:	TFT LCD display
Concentration Unit:	Ppm and mg/m <sup>3</sup> ;

Measuring range:	0-10ppm, 200ppm, or customized;
Resolution:	0.1ppm, 1ppm or customized;
Precision:	$\leq \pm 3\%FS$ ;
Alarm mode:	Audible-visual alarm, Vibration alarm, Voice $\geq 75dB@25cm$ ;
Preheat time:	$\leq 90s$ ;
Response time:	$T_{90} \leq 30s$ ;
Recovery time:	$\leq 20s$ ;
Explosion proof grade:	Ex ib IIB T3;
Protection grade:	IP64;
Output signal:	Wireless transmission and print function (Optional) ;
Body material:	PC+TPU;
Working temperature:	$-20^{\circ}C \sim +50^{\circ}C$ (or customized) ;
Working humidity:	$\leq 95\%RH$ , (non-condensing);
Charger:	USB port;
Working voltage:	3.7V rechargeable lithium battery;
Charging time:	$\leq 6$ hours;
Working time:	$> 8$ hours continuously (When normal temperature and no alarm) ;
Power consumption:	$< 0.7W$ ;

Working pressure:	86 ~ 106KPa;
Dimension:	119.6x60x44mm(L*W*H);
Weight:	About 182g;
Standards:	GB3836.1-2010, GB3836.2-2010, GB3836.4-2010, MT 704-2008, MT 703-2008,MT 1084-2008,GB 15322.3-2003;
Warranty:	12 months;
Accessory:	Box, instruction, USB charger, data line, calibration cap.



### Applications:

The portable Hydrogen Fluoride HF gas detector used in the gas safety inspection and alarm for industrial scene, such as petroleum refinery, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection, etc., where need to inspect the gas concentration of the HF gas.

