



## PORTABLE 4 GAS DETECTOR

The AGH6200 detector is a standard four-in-one gas detection alarm. The product can simultaneously detect the concentration of Ex,O<sub>2</sub>,H<sub>2</sub>S,CO. Automatic sound, light and vibration alarms.

The AGH6200F is a special designed flammable gas detector with CCCF certification, and can cope with the harsh environment of -40 ° C to 70 ° C.

### Features

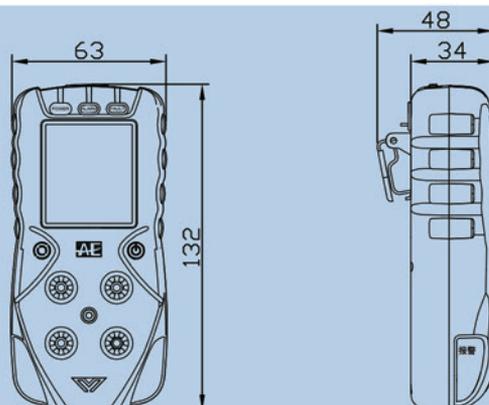
- Standard four gas with Ex,O<sub>2</sub>,H<sub>2</sub>S,CO is suitable for most gas detection applications.
- CCCF certification, suitable to -40°C ~ 70°C (AGH6200F only).
- Sound, light, vibration alarm method, effective warning.
- The TPU+PC housing, more wear-resistant.
- Ingressive protection in IP66 rating, dustproof and waterproof.
- Compatible with a sampling pump for confined space usage.

## Specifications

Description	Specifications	AGH6200	AGH6200F
<b>Function</b>			
gas detected	Ex O2, CO, H2S	●	●
measure range	see QUICK-SELECTION-TABLE	●	●
response time*	T90≤60S	●	●
accuracy*	≤±5%F.S	●	●
repeatability*	≤2%F.S	●	●
sampling method	diffusion	●	●
<b>Electric</b>			
battery	rechargeable Li-battery 2200mAh	●	●
continuous operation	at least 18 hours after a typical 4 hours full charge	●	●
<b>Alarm</b>			
alarm method	sound,LED light,vibration	●	●
sound intensity	>90dB	●	●
<b>Display and Operation</b>			
display	LCD	●	●
button	2 (POWER, MENU)	●	●
<b>Environment</b>			
ingress protection	IP66	●	●
operating temperature*	-20℃~60℃ -40℃~70℃	● -	- ●
operating humidity	10~95%RH non-condensing	●	●
operating pressure	80-120kPa	●	●
<b>Structure</b>			
body material	antistatic PC+TPU	●	●
weight	about 0.28kg	●	●
dimensions	132*63*48mm(H*W*D)	●	●
<b>Certificates</b>			
CPA	2018CA0047-32 2018CA0046-32	● -	- ●
EX	Exdib II CT4 Gb	●	●
CCCF	073194850102ROM	-	●

Note:\* refers to there's some difference vary from different gas, please contact the manufacturer for details.

## Dimensions





## PORTABLE GAS DETECTOR

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In the daily production of petrochemical engineering, steel, and chemical engineering industries, workers often encounter with flammable and toxic gases of various sorts, and accidents are easy to take place without proper safety protection. As a kind of personal safety protection instrument, portable gas detector plays an important role in industrial production safety.

The portable gas detector is small in size and easy to carry. It can be used for workshop routing inspection for side leakage, as well as in confined spaces such as flame operation inspection.



difussion type gas detector

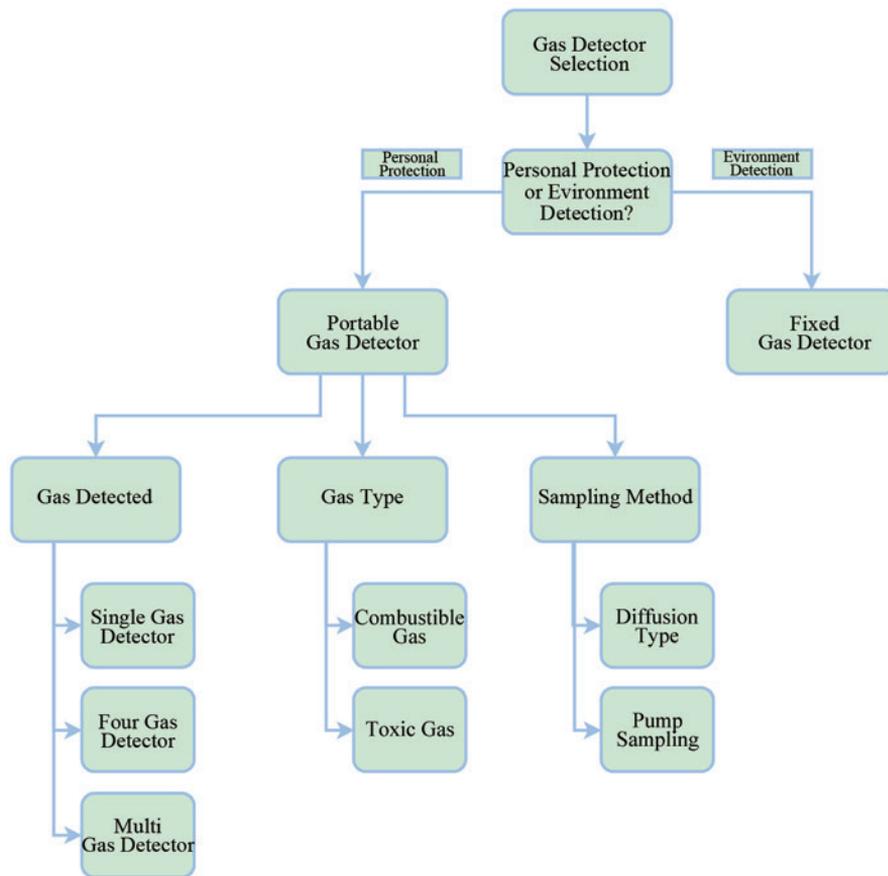


build-in pump gas detector



external pump gas detector

■ SELECTION GUIDE



**QUICK SELECTION TABLE 4 -- PORTABLE GAS DETECTOR**

Description	AGH5100	AGH5100M	AGH6100	AGH6100F	AGH6200	AGH6200F	AGH8100	AGH8200
<b>The number of sensors</b>								
1	●	●	-	●	-	●	●	●
4 in 1	-	-	-	-	●	-	-	-
1~4, optional	-	-	●	-	-	-	-	-
<b>Gas detected</b>								
combustible gas-catalytic	-	-	●	●	●	●	-	-
combustible gas-semiconductor	-	-	-	-	-	-	●	●
toxic gas-electrochemical	●	●	●	-	●	-	-	-
toxic gas-PID	-	-	●	-	-	-	-	-
toxic gas-infrared	-	-	●	-	-	-	-	-
<b>Sampling method</b>								
diffusion	●	●	●	●	●	●	-	●
built-in pump	-	-	-	-	-	-	●	-
<b>Certificates</b>								
CPA	●	●	●	●	●	●	●	-
EX	●	●	●	●	●	●	●	●
ATEX	-	-	●	●	-	-	-	-
CCCF	-	-	-	-	-	●	-	-



**QUICK SELECTION TABLE 5 -- GAS DETECTED**

Gas	Measure Range	Principle	Resolution	AGH5100	AGH5100M	AGH6100	AGH6100F	AGH6200	AGH6200F	AGH8100	AGH8200
Combustible gas	0-100%LEL	catalytic	1%LEL	-	-	●	●	●	●	-	-
Methane	0-10000µmol/mol	Semiconductor	1µmol/mol	-	-	-	-	-	-	●	●
Oxygen	0-30%VOL 0-25%VOL	Electrochemical	0.1%VOL	●	●	●	-	●	-	-	-
Carbon monoxide	0-1000µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	●	-	-	-
Hydrogen sulphide	0-100µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	●	-	-	-
Chlorine	0-10µmol/mol	Electrochemical	0.1µmol/mol	●	-	●	-	-	-	-	-
Sulphur dioxide	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Ammonia	0-100µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	-	-	-	-
Nitric oxide	0-250µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	-	-	-	-
Nitrogen dioxide	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Hydrogen chloride	0-30µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Ozone	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Ethylene oxide	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Formaldehyde	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Methanol	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Phosphine	0-5µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Hydrogen	0-1000µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	-	-	-	-
Fluorine	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Hydrogen fluoride	0-10µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Hydrogen cyanide	0-50µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Phosgene	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Arsenic hydride	0-1/20µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Silane	0-50µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Acrylonitrile	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Carbon disulfide	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Ethanol	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Methane	0-5%/100%VOL	Infrared	0.1%VOL	-	-	●	-	-	-	-	-
Carbon dioxide	0-5%/100%VOL	Infrared	0.1%VOL	-	-	●	-	-	-	-	-
Toluene	0-20µmol/mol	PID	0.1µmol/mol	-	-	●	-	-	-	-	-
Xylene	0-20µmol/mol	PID	0.1µmol/mol	-	-	●	-	-	-	-	-
Benzene	0-20µmol/mol	PID	0.1µmol/mol	-	-	●	-	-	-	-	-
Acetic acid	0-1000µmol/mol	PID	1µmol/mol	-	-	●	-	-	-	-	-
Volatile organic compounds	0-20µmol/mol 0-1000µmol/mol	PID	0.1µmol/mol 1µmol/mol	-	-	●	-	-	-	-	-

Note: 1, Any gas that not mentioned above, just contact AIYI Technologies for further information; 2, 1µmol/mol=1ppm



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