



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, O₂, H₂S, 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, O₂, H₂S, 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.

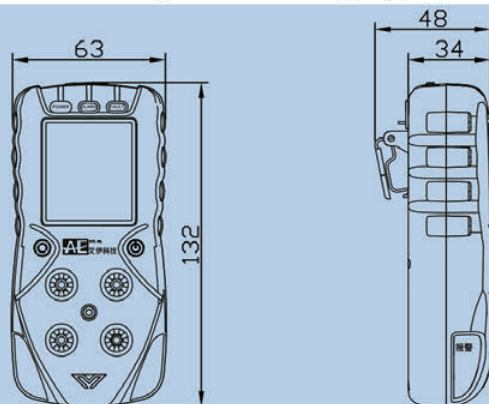


Specifications

Description	Specifications	AGH6200	AGH6200F
Function			
gas detected	Ex	●	●
	O ₂ , CO, H ₂ S	●	-
measure range	see QUICK-SELECTION-TABLE	●	●
response time*	T ₉₀ ≤60S	●	●
accuracy*	≤±5%F.S	●	●
repeatability*	≤2%F.S	●	●
sampling method	diffusion	●	●
Electric			
battery	rechargeable lithium battery,3.7V,2200mAh	●	●
continuous operation	at least 18 hours after a typical 4 hours full charge	●	●
Alarm			
alarm method	sound,LED light,vibration	●	●
sound intensity	>90dB	●	●
Display and Operation			
display	LCD	●	●
button	2 (POWER, MENU)	●	●
Environment			
ingress protection	IP66	●	●
operating temperature*	-20℃~60℃	●	-
	-40℃~70℃	-	●
operating humidity	10~95%RH non-condensing	●	●
operating pressure	80-120kPa	●	●
Structure			
body material	antistatic PC+TPU	●	●
weight	about 0.28kg	●	●
dimensions	132*63*48mm(H*W*D)	●	●
Certificates			
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 detail

Dimensions





PORTABLE GAS DETECTOR

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

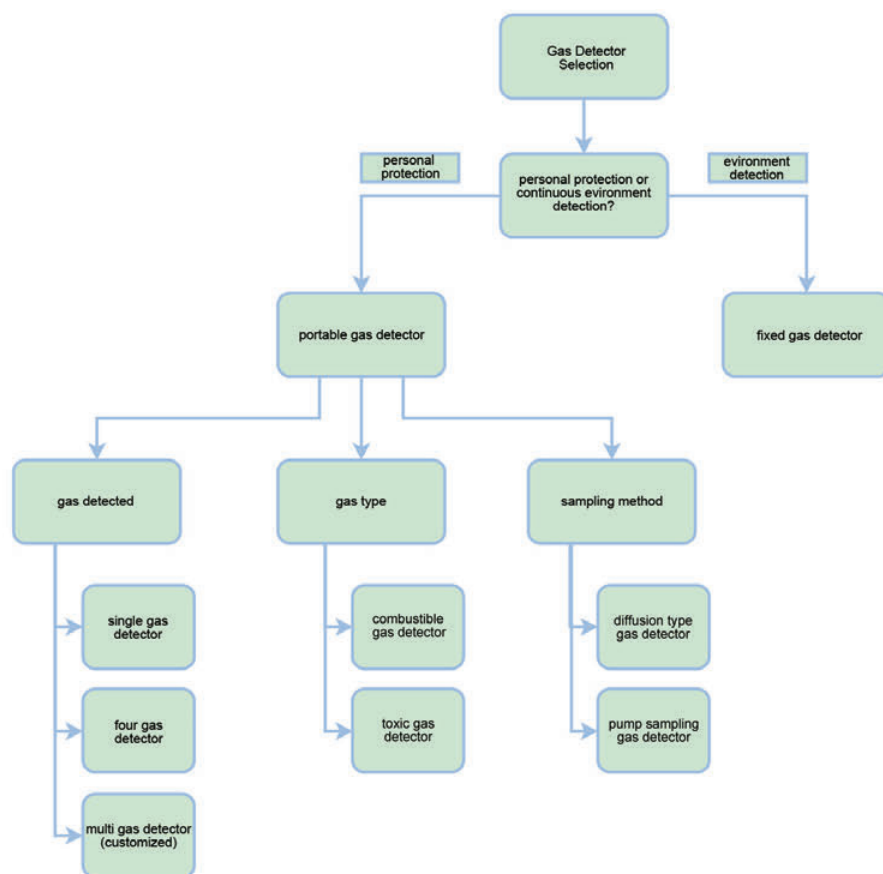


build-in pump gas detector



external pump gas detector

SELECTION GUIDE



QUICK SELECTION TABLE 4 -- PORTABLE GAS DETECTOR

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

QUICK SELECTION TABLE 5 -- GAS DETECTED

Gas		Measure Range	Principle	Resolution	AGH5100	AGH6100	AGH6100F	AGH6200	AGH6200F	AGH8100
Combustible gas	EX	0-100%LEL	Combustion catalytic	1%LEL	-	●	●	●	●	-
Methane	CH ₄	0-10000µmol/mol	Combustion catalytic	1µmol/mol	-	-	-	-	-	●
Oxygen	O ₂	0-30%VOL 0-25%VOL	Electrochemical	0.1%VOL	●	●	-	●	-	-
Carbon monoxide	CO	0-1000µmol/mol	Electrochemical	1µmol/mol	●	●	-	●	-	-
Hydrogen sulphide	H ₂ S	0-100µmol/mol	Electrochemical	1µmol/mol	●	●	-	●	-	-
Chlorine	CL ₂	0-10µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Sulphur dioxide	SO ₂	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ammonia	NH ₃	0-100µmol/mol	Electrochemical	1µmol/mol	●	●	-	-	-	-
Nitric oxide	NO	0-250µmol/mol	Electrochemical	1µmol/mol	●	●	-	-	-	-
Nitrogen dioxide	NO ₂	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen chloride	HCL	0-30µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ozone	O ₃	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Ethylene oxide	C ₂ H ₄ O	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Formaldehyde	CH ₂ O	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Methanol	CH ₃ OH	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Phosphine	PH ₃	0-5µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen	H ₂	0-1000µmol/mol	Electrochemical	1µmol/mol	●	●	-	-	-	-
Fluorine	F ₂	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Hydrogen fluoride	HF	0-10µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen cyanide	HCN	0-50µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Phosgene	COCL ₂	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Arsenic hydride	AsH ₃	0-1/20µmol/mol	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Silane	SiH ₄	0-50µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Acrylonitrile	C ₃ H ₃ N	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Carbon disulfide	CS ₂	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ethanol	C ₂ H ₅ OH	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Methane	CH ₄	0-5%/100%VOL	Infrared	0.1%VOL	-	●	-	-	-	-
Carbon dioxide	CO ₂	0-5%/100%VOL	Infrared	0.1%VOL	-	●	-	-	-	-
Toluene	C ₇ H ₈	0-20µmol/mol	PID	0.1µmol/mol	-	●	-	-	-	-
Xylene	C ₈ H ₁₀	0-20µmol/mol	PID	0.1µmol/mol	-	●	-	-	-	-
Benzene	C ₆ H ₆	0-20µmol/mol	PID	0.1µmol/mol	-	●	-	-	-	-
Acetic acid	C ₂ H ₄ O ₂	0-1000µmol/mol	PID	1µmol/mol	-	●	-	-	-	-
Volatile organic compounds	VOC	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





BUSINESS CARD

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