



PORTABLE MULTI GAS DETECTOR

The AGH6100 gas detector can detect a variety of gases. The product supports up to 4 gases for simultaneous detection. The gas sensor can be flexibly selected according to the site requirements. The product has an intrinsically safe design with IP66 protection and suitable for harsh environments. The large LCD screen displays various information such as gas concentration and alarm history. The product supports USB data upload, which can easily export alarm record information.

Features

- Many gases are detectable with flexible selection, up to 4 gases in one detector.
- Support alarm record USB upload, no need any software.
- Sound, light, vibration alarm method, effective warning.
- High-brightness display with gravity sensing for easy viewing at all angles.
- The TPU+PC housing, more wear-resistant.
- Specially designed PCB board, effective against electromagnetic interference, stable work.
- Ingressive protection in IP66 rating, dustproof and waterproof.
- Compatible with a sampling pump for confined space usage.

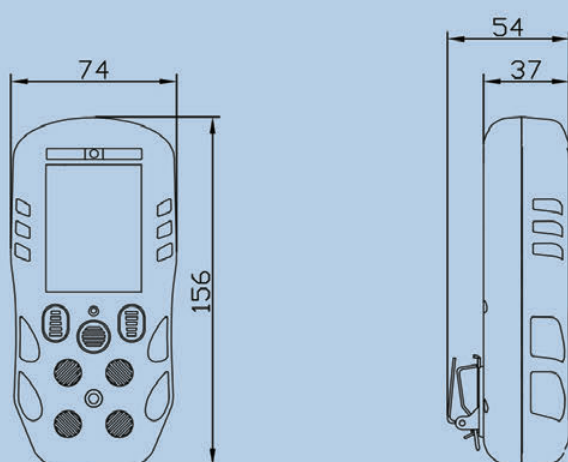


Specifications

Description	Specifications	AGH6100	AGH6100F
Function			
gas detected	combustible gas	●	●
	O ₂ , toxic gas	●	-
measure range	see QUICK-SELECTION-TABLE	●	●
response time*	T ₉₀ ≤30/60/180S	●	●
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	3 (UP, OK, DOWN)	●	●
Environment			
ingress protection	IP66	●	●
operating temperature*	-20℃~60℃	●	●
operating humidity	10~95%RH non-condensing	●	●
operating pressure	80-120kPa	●	●
Structure			
body material	antistatic PC+TPU	●	●
weight	about 0.35kg	●	●
dimensions	156*74*54mm(H*W*D)	●	●
Certificates			
CPA	2016C106-32	●	●
EX	Exib II CT4 Gb	●	-
	Exdib II CT4 Gb	●	●

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

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.



diffussion type gas detector

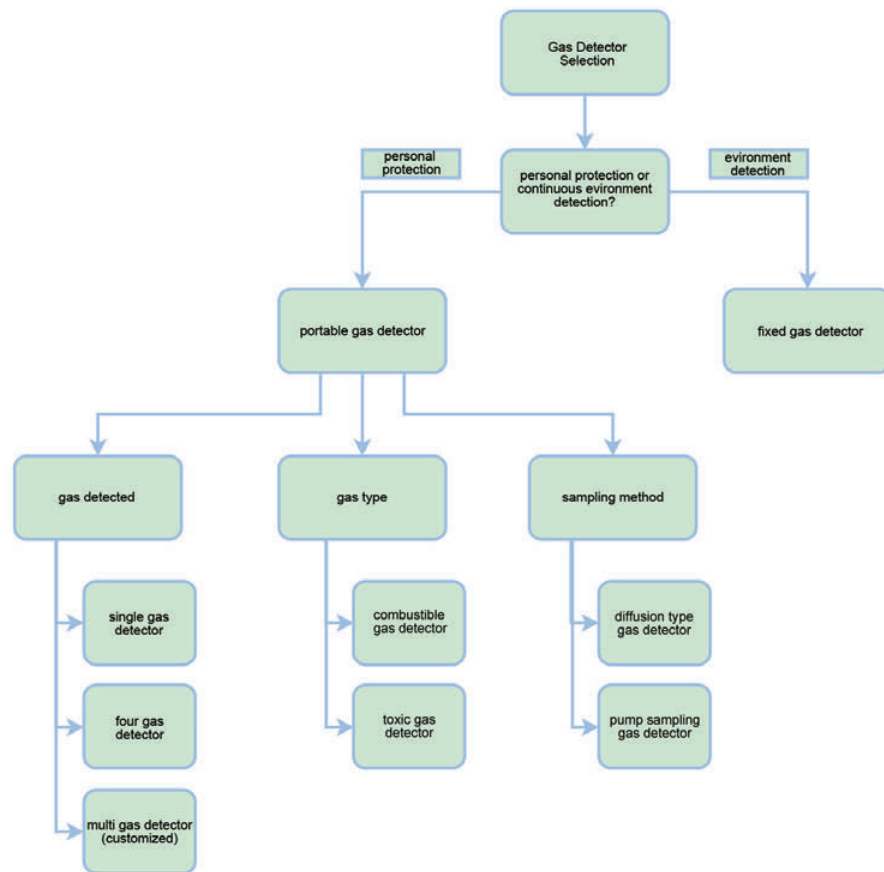


build-in pump gas detector



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	Combustion catalytic	1%LEL	-	●	●	●	●	-
Methane	CH ₄	Combustion catalytic	1µmol/mol	-	-	-	-	-	●
Oxygen	O ₂	Electrochemical	0.1%VOL	●	●	-	●	-	-
Carbon monoxide	CO	Electrochemical	1µmol/mol	●	●	-	●	-	-
Hydrogen sulphide	H ₂ S	Electrochemical	1µmol/mol	●	●	-	●	-	-
Chlorine	Cl ₂	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Sulphur dioxide	SO ₂	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ammonia	NH ₃	Electrochemical	1µmol/mol	●	●	-	-	-	-
Nitric oxide	NO	Electrochemical	1µmol/mol	●	●	-	-	-	-
Nitrogen dioxide	NO ₂	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen chloride	HCL	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ozone	O ₃	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Ethylene oxide	C ₂ H ₄ O	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Formaldehyde	CH ₂ O	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Methanol	CH ₃ OH	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Phosphine	PH ₃	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen	H ₂	Electrochemical	1µmol/mol	●	●	-	-	-	-
Fluorine	F ₂	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Hydrogen fluoride	HF	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Hydrogen cyanide	HCN	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Phosgene	COCL ₂	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Arsenic hydride	AsH ₃	Electrochemical	0.01µmol/mol	●	●	-	-	-	-
Silane	SiH ₄	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Acrylonitrile	C ₃ H ₃ N	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Carbon disulfide	CS ₂	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Ethanol	C ₂ H ₅ OH	Electrochemical	0.1µmol/mol	●	●	-	-	-	-
Methane	CH ₄	Infrared	0.1%VOL	-	●	-	-	-	-
Carbon dioxide	CO ₂	Infrared	0.1%VOL	-	●	-	-	-	-
Toluene	C ₇ H ₈	PID	0.1µmol/mol	-	●	-	-	-	-
Xylene	C ₈ H ₁₀	PID	0.1µmol/mol	-	●	-	-	-	-
Benzene	C ₆ H ₆	PID	0.1µmol/mol	-	●	-	-	-	-
Acetic acid	C ₂ H ₄ O ₂	PID	1µmol/mol	-	●	-	-	-	-
Volatile organic compounds	VOC	PID	0.1µmol/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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