



## 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.

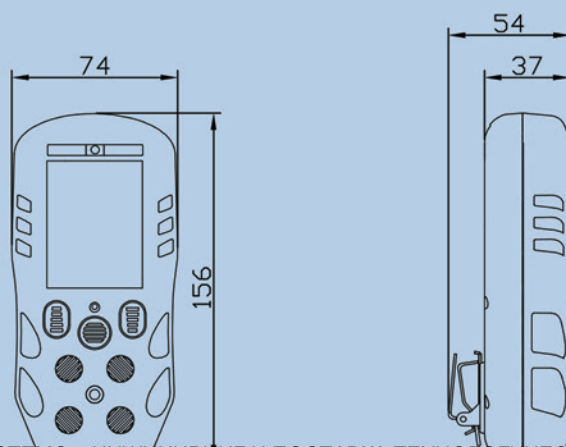


## Specifications

Description	Specifications	AGH6100	AGH6100F
<b>Function</b>			
gas detected	combustible gas	●	●
	O <sub>2</sub> , toxic gas	●	-
measure range	see QUICK-SELECTION-TABLE	●	●
response time*	T90≤30/60/180S	●	●
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	3 (UP, OK, DOWN)	●	●
<b>Environment</b>			
ingress protection	IP66	●	●
operating temperature*	-20℃~60℃	●	●
operating humidity	10~95%RH non-condensing	●	●
operating pressure	80-120kPa	●	●
<b>Structure</b>			
body material	antistatic PC+TPU	●	●
weight	about 0.35kg	●	●
dimensions	156*74*54mm(H*W*D)	●	●
<b>Certificates</b>			
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.



difussion type gas detector



build-in pump gas detector



external pump gas detector

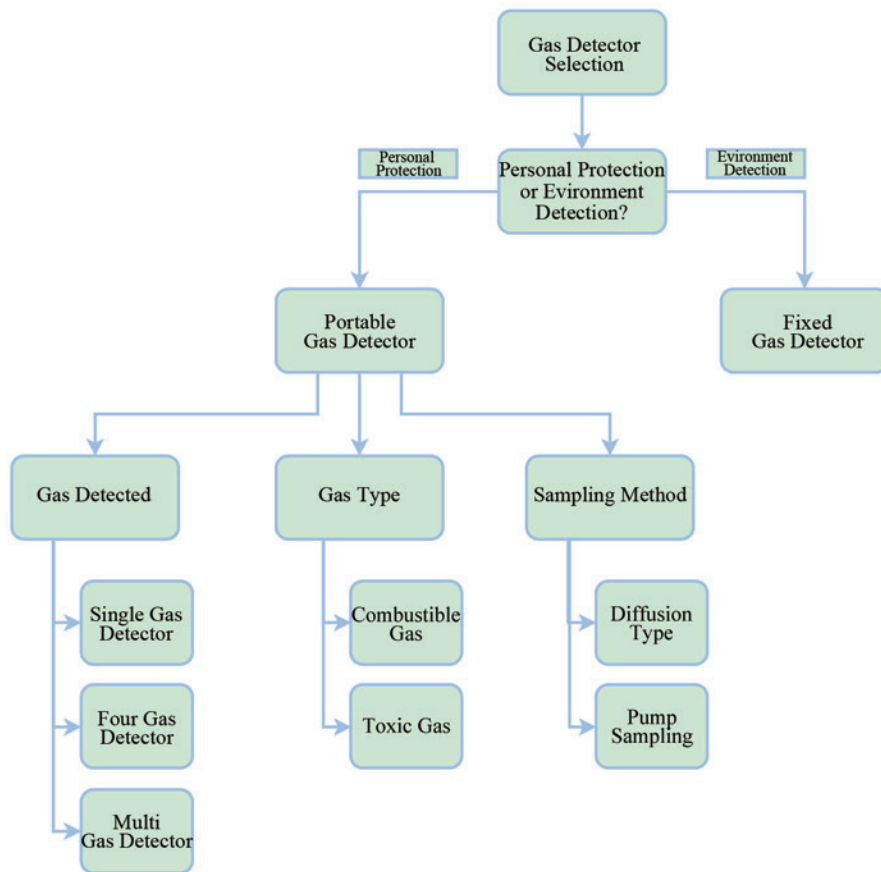
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SELECTION GUIDE



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	●	●	●	-	-	-	-	-
Aniline	0-5µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Hydrogen	0-1000µmol/mol	Electrochemical	1µmol/mol	●	●	●	-	-	-	-	-
Acetylene	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	●	●	●	-	-	-	-	-
Benzene	0-1µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Acetylenic hydride	0-1/20µmol/mol	Electrochemical	0.01µmol/mol	●	●	●	-	-	-	-	-
Diarsine	0-50µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Acetonitrile	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Carbon disulfide	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Ethanol	0-20µmol/mol	Electrochemical	0.1µmol/mol	●	●	●	-	-	-	-	-
Ethane	0-5%/100%VOL	Infrared	0.1%VOL	-	-	●	-	-	-	-	-
Carbon dioxide	0-5%/100%VOL	Infrared	0.1%VOL	-	-	●	-	-	-	-	-
Ethylene	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



OFFICIAL WEBSITE



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Disclaimer: All pictures, configurations and parameters in this document are for reference only. There may be differences with the actual products. Any difference is subject to the latest real products.

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