



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.

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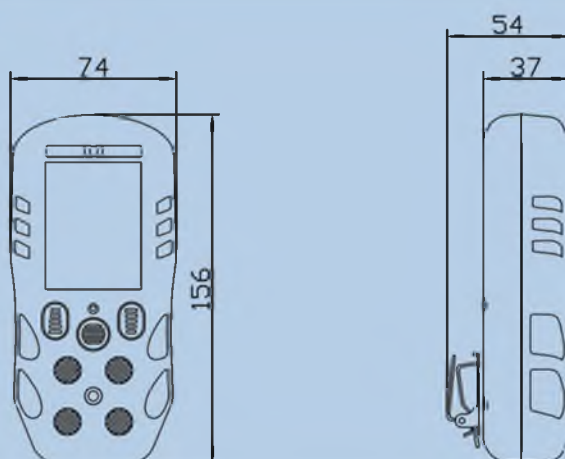


Specifications

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 Li-battery 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.



diffusion type gas detector

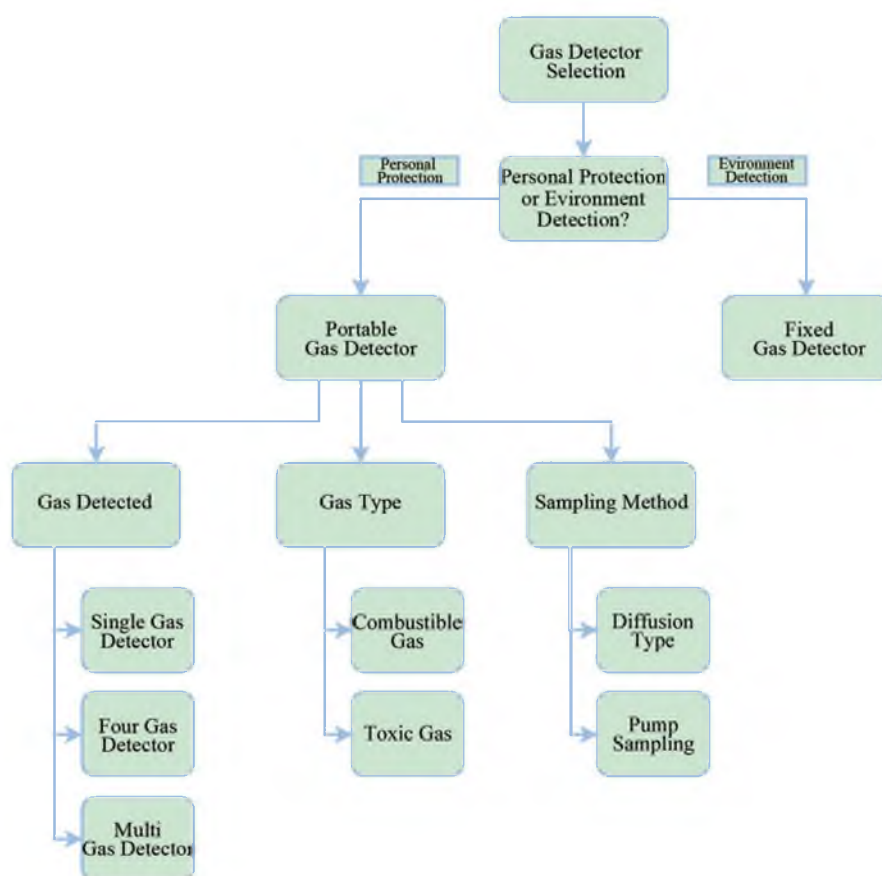


build-in pump gas detector



external pump gas detector

SELECTION GUIDE



QUICK SELECTION TABLE 4 – PORTABLE GAS DETECTOR

Description	AGH5100	AGH5100M	AGH6100	AGH6100F	AGH6200	AGH6200F	AGH8100	AGH8200
The number of sensors								
1	●	●	-	●	-	●	●	●
4 in 1	-	-	-	-	●	-	-	-
1~4, optional	-	-	●	-	-	-	-	-
Gas detected								
combustible gas-catalytic	-	-	●	●	●	●	-	-
combustible gas-semiconductor	-	-	-	-	-	-	●	●
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	AGH5100M	AGH6100	AGH6100F	AGH6200	AGH6200F	AGH8100	AGH8200
Combustible gas	EX	0-100%LEL	catalytic	1%LEL	-		●	●	●	●	-	-
Methane	CH ₄	0-10000µmol/mol	Semiconductor	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





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