



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

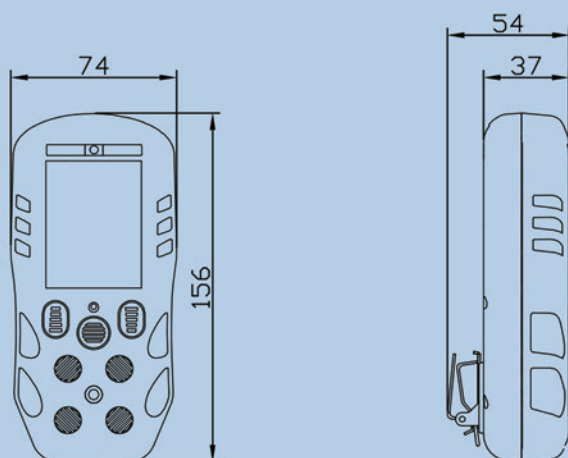
- Many gases are detectable with flexible selection, up to 4 gases in one detector.
- Support alarm record USB upload, no need any software.
- Sound, light, vibration alarm method, effective warning.
- High-brightness display with gravity sensing for easy viewing at all angles.
- The TPU+PC housing, 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

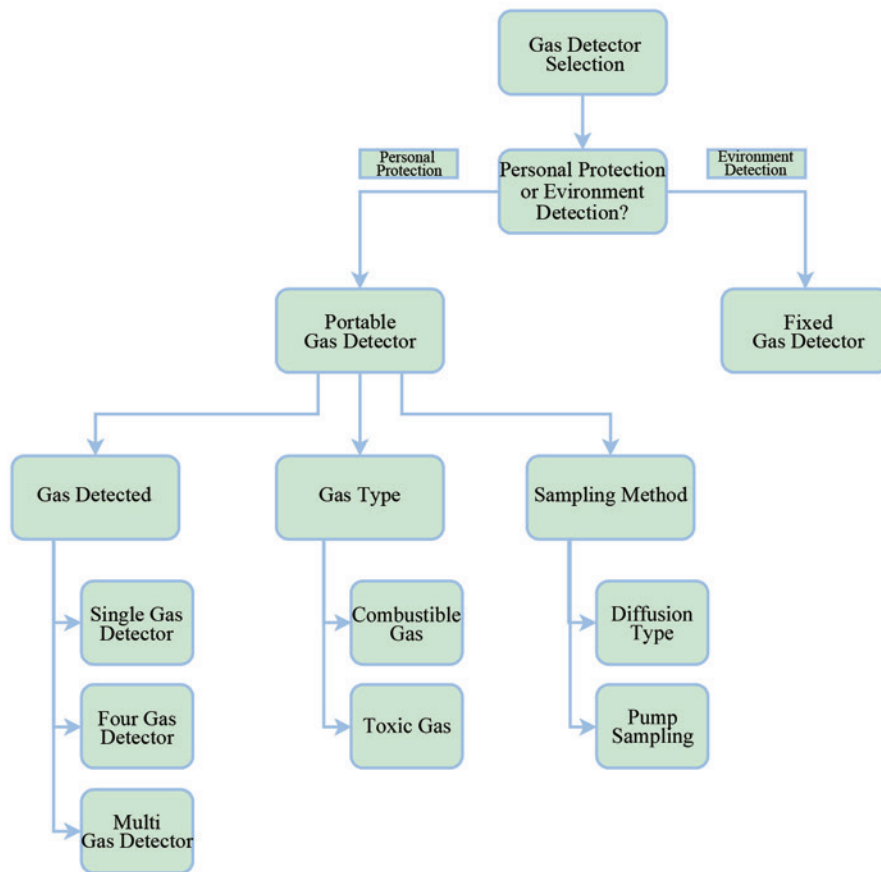
Description	Specifications	AGH6100	AGH6100F
Function			
gas detected	combustible gas	●	●
	O ₂ , toxic gas	●	-
measure range	see QUICK-SELECTION-TABLE	●	●
response time*	T90≤30/60/180S	●	●
accuracy*	≤±5%F.S	●	●
repeatability*	≤2%F.S	●	●
sampling method	diffusion	●	●
Electric			
battery	rechargeable Li-battery 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



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	catalytic	1%LEL	-		●	●	●	●	-	-
Methane	CH ₄	Semiconductor	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	-		●	-	-	-	-	-
Volatle organic compounds	VOC	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