



PORTABLE SAMPLING PUMP

The AGH1000B sampling pump is a hand-held gas sampling pump that is mainly used to assist the gas collection of portable gas detectors. With the intrinsically safe design, it can be used in explosive hazardous areas; large-capacity battery makes it a long operation time.

Features

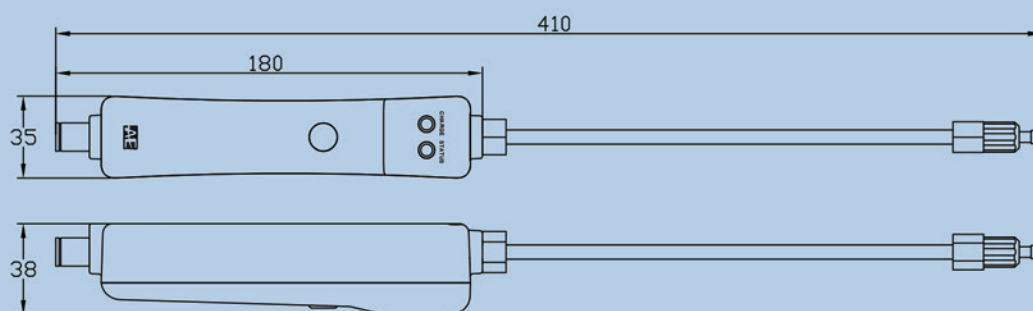
- Compatible with the gas detector for confined space usage.
- A replaceable filter design that blocks dust, water to protects the gas detector.
- Blocking alarm function, effectively reminding the sampling blockage.
- Quick-plug connection design for a quick connection with the detector.
- Long stainless steel sampling probes are suitable for a variety of confined spaces.
- Intrinsically safe design for hazardous areas.



Specifications

Function	
sampling flow	500ml/min
indicator light	status, charge
Environment	
ingress protection	IP55
operating temperature	-10℃～55℃
operating humidity	10～95%RH non-condensing
operating pressure	80-120kPa
Electrical	
battery	rechargeable lithium battery, 3.7V, 2200mAh
working time	≥12h
Structure	
body material	ABS
sampling pipe	stainless steel
weight	about 0.24kg
dimensions	410*35*38mm(H*W*D)
Certificate	
EX	Exib II CT4 Gb

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

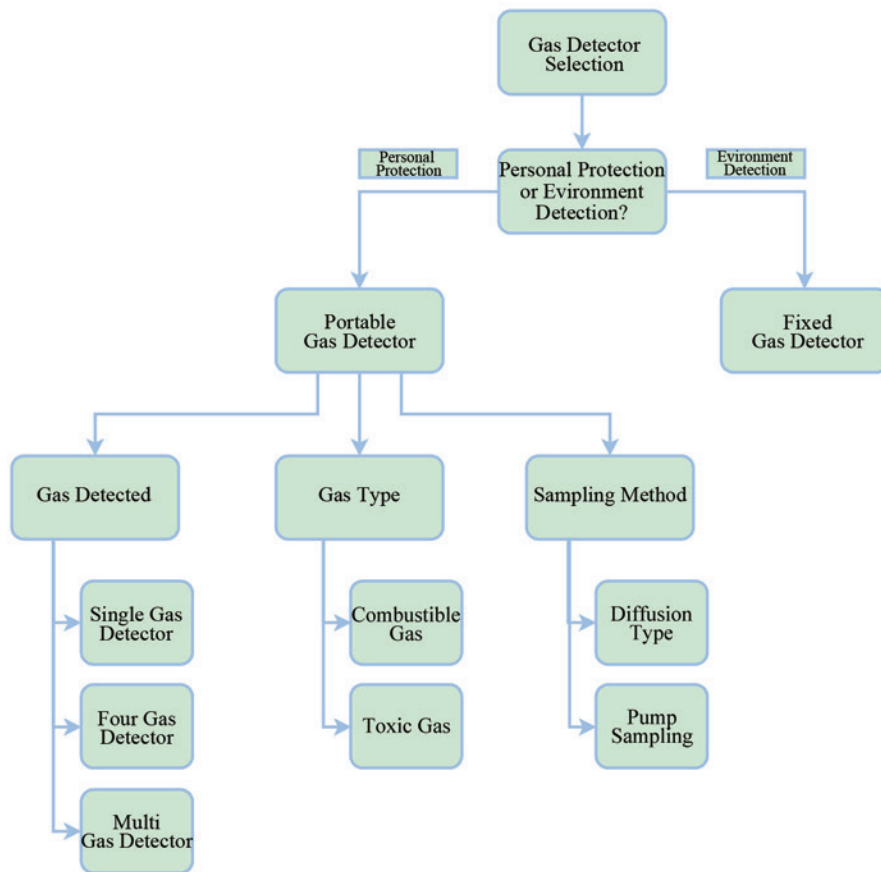


build-in pump gas detector



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	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	-		●	-	-	-	-	-
Volatile 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



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