



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

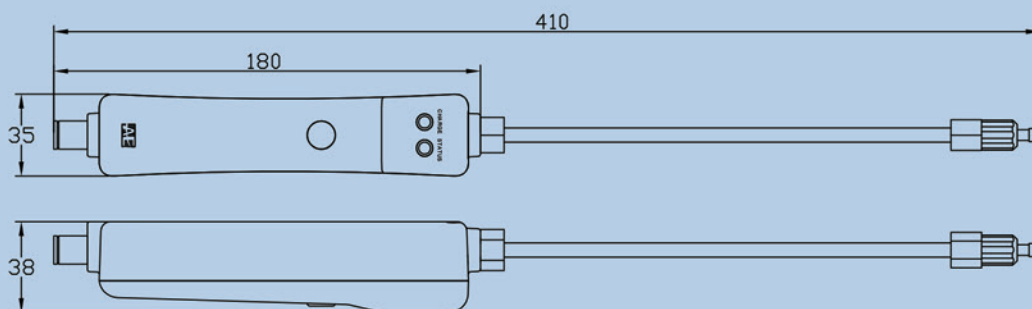
- Compatible with the gas detector for confined space usage.
- A replaceable filter design that blocks dust, water to protects the gas detector.
- Blocking alarm function, effectively reminding the sampling blockage.
- Quick-plug connection design for a quick connection with the detector.
- Long stainless 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°C ~ 55°C
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.



difussion type gas detector



build-in pump gas detector



external pump gas detector

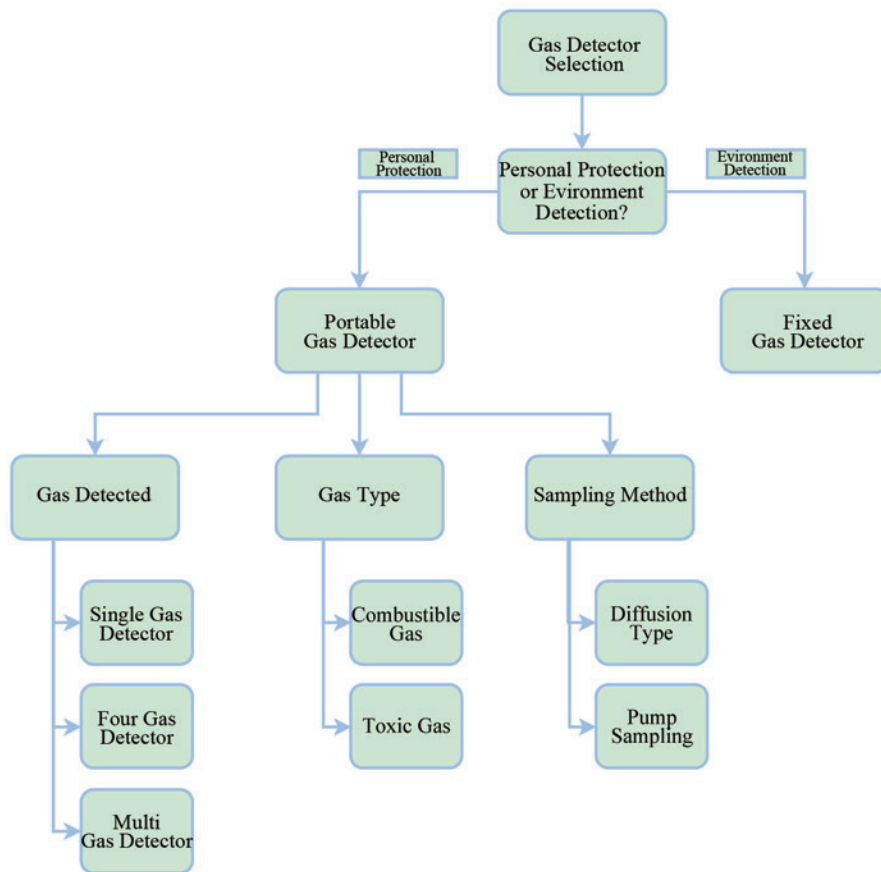
ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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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	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



AIYI Technologies

Authorized Distributor:

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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