



YT-1200H-S
Portable Multi Gas Detector

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Product Overview

YT-1200H-S series gas detector is kind of mini size and high accuracy portable multi gas detector. Easy to operate, comprehensive functions, can measure 4 common gas hazards: carbon monoxide, hydrogen sulphide, flammable gases and oxygen depletion, other multi gases are available for customization. The detector is with back clip, protected by silicone case, suitable for different kinds of situations.

Specialized in Gas Detection For 16 Years

Product Advantages

- Employ original imported high-precision sensor.
- Four random gas sensors can be combined freely.
- LCD dot matrix display, support Chinese and English operation.
- The gas concentration unit PPM and mg/m³ can be shifted quickly.
- The battery and voltage can be checked by one press. One press to restore factory settings.
- Ultra-high buzzer alarm sound, alarm with sound, light and vibration at the same time.
- Can record 100 sets alarm data, alarm record can be checked on the device.
- Data storage function, can record 100 thousand set data, historical data can be viewed on the device (optional function).
- Rechargeable lithium polymer battery of large capacity, which ensure the device to work continuously for a long time.
- Strong and upscale alligator clip, convenient to take along during operation.
- Special engineering plastics housing of high intensity, strong and durable, exquisite and comfortable in touching.



YT-1200H-S Portable Multi Gas Detector

Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

Accessories & Configuration List

- A charging adapter
- Color Box
- warranty card
- Instruction
- Qualification certificate
- Calibration cap
- Calibration hose,
- Clips belt



Technical Specification

SAFEGAS YT-1200H-S

Sampling method	Diffusion
Detected gas	O ₂ , N ₂ , CO ₂ , EX, hazardous gas, VOC, etc.
Detection principle	Electrochemistry, infrared ray, catalytic combustion, PID photo ionization (according to the target gas and sensor).
Measure range	The range is optional, according to the target gas and the sensor.
Resolution	According to sensor and measure range
Precision	According to sensor. 1-5%F.S.
Unit	ppm、mg/m ³ 、%VOL、%LEL (ppm、mg/m ³ can be shifted by one click, the concentration value will be auto converted by the system)
Display	Monochrome dot matrix 128*128 LCD graphic display.
Backlight	Time of backlight is settable, when alarm the backlight will be auto on.
Data recording	Storage capacity of over one hundred thousand sets. Interval time ranges from 10-3600 seconds are settable. (Optional function)
Alarm recording	can record 10000 set alarm record, the record can be checked on the device. (Optional function)
Language	Chinese/English
Alarm type	sound, light, vibration.
Battery	3.7V rechargeable lithium battery, with capacity of 2300mAh.
Working Time	14h continuously (common 4 gases). 200h(without LEL sensor)
Charger	travel charger with USB. Charging time: 4-6h
Explosion-proof grade	Explosion-proof grade: Exia II CT3
Protection grade	Protection grade: IP65
Working temperature	Working temperature: -20°C ~ 50°C
Working humidity	Working humidity: 0-95%RH (Non-condensing, a filter dryer is needed in environment of humidity more than 90%RH)
Housing Material	Housing Material: ABS+ leather case
Dimension	Dimension: 131*83*35mm (length*width*height)
Weight	Weight: 240g

Normal gas types and paramaters (Other gases are not listed can be customized)

Detected gas	Measure Range	Optional ranges	Resolution	Response time
Flammable gas (EX)	0-100%LEL	0-100%VOL	0.1%LEL/0.1%VOL	≤ 10S
Oxygen (O ₂)	0-30%VOL	0-25%VOL	0.01%VOL/0.1%VOL	≤ 10S
Carbon monoxide (CO)	0-1000ppm	0-2000ppm	0.1ppm/1ppm	≤ 10S
Hydrogen sulfide (H ₂ S)	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤ 10S
Ammonia (NH ₃)	0-100ppm	0-200ppm	0.01ppm/0.1ppm	≤ 10S
Chlorine (CL ₂)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Hydrogen Chloride (HCL)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Nitric oxide (NO)	0-100ppm	0-250ppm	0.01ppm/0.1ppm	≤ 10S
Nitrogen dioxide (NO ₂)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
formaldehyde (CH ₂ O)	0-10ppm	0-50ppm	0.01ppm/0.1ppm	≤ 10S
Ozone (O ₃)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤ 10S
Carbon dioxide (CO ₂)	0-2000ppm	0-100%VOL	1ppm/0.01%VOL	≤ 10S

Project Cases



◀ YT-1200H-S
Used in Large oil refinery and metallurgical plant, etc

▼ YT-1200H-S
Applied in wastewater treatment, sewers, etc



▶ YT-1200H-S
Used in laboratory, hospitals, pharmaceutical factory, etc

▼ YT-1200H-S
Applied in dockyards, workshops, etc



More Application

- Furniture, Floor, Wallpaper, Coating, Gardening, Interior Decoration and Renovation, Dyestuff, Papermaking, Pharmacy, Health Care, Foodstuff, Antiseptic.
- Disinfection, Chemical Fertilizer, Resin, Adhesive, Pesticide, Raw Material, Sample, Technological Process, Livestock Farm, Refuse Processing Plant, Perm Place.
- Bio-pharmaceutical Plant, Green Household, Livestock Breeding, Green House Cultivating, Warehouse Logistics, Brewing And Fermentation, Agricultural Production.

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