



YT-95H-B-A
The world's first built-in pumping gas detector

YT-95H-B-A

fixed pumping gas detector

Product Overview

YT-95H-B-A series is with built-in pump and suction composite gas detector, which can continuously monitor various gas concentrations in environment and pipelines 24 hours on line, display concentration on site and alarm, output standard signals, and transmit data remotely.

It's the first built-in pump-mounted fixed gas detector in world, with built-in constant flow and large suction pump, the detection accuracy is very high, and the reaction speed is 2.5 times faster than the diffusion model on the market. When the target detected gas is lighter than air, no need to install at high place, which can get the detection results quickly.

Specialized in Gas Detection For 16 Years



Product Advantages

1. built-in constant flow and large suction pump, the detection accuracy is very high, and the reaction speed is 2.5 times faster than the diffusion model on the market. When the target detected gas is lighter than air, no need to install at high height place, which can get the detection results quickly.
2. 2.4-inch industrial-grade high-definition color screen, resolution is 320 * 240, 120 degrees wide view angle
3. The air chamber module digitizes the analog signal, no need to disassemble the whole machine, just plug and unplug the air chamber part, and then return to the factory for maintenance calibration. It is no longer necessary to disassemble the whole machine and return to the factory for replacement sensor like traditional models, so that the replacement of the sensor is as simple and convenient as replacing a light bulb
4. can resist strong magnetic interference. Data is guaranteed to be stable and reliable in areas with strong magnetic products or densely populated areas such as tunnels, mines and confined spaces.
5. The instrument has three layers of filtering devices to efficiently filter oil, water, dust and other impurities. Even in the most demanding industrial environment, the test results can still be trusted.



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Product Functions

1. Monitoring the gas concentration in the environment or in the pipeline
2. can display the gas concentration unit, ppm, mg / m3 can switched by one-button , the gas concentration value is automatically converted by the system
3. With full software automatic verification function and zero calibration function, making gas monitoring more accurate and more reliable
4. infrared remote control function and button function are two-pronged
5. standard 4-20mA current signal, RS485 digital signal, 1 set of relay signal output, optional 2 sets of relay signals
6. Optional GPRS wireless transmission function, provide SMS reminder function
7. Optional built-in wireless module to upload data to the EPA platform or other platforms, and transmit signals without distance limitation
8. Optional large capacity 8G SD card storage function, storage data can be saved for more than one year
9. For the harsh detection environment like high temperature, high humidity and high dust areas, there is optional pretreatment system for cooling, dehumidifying,dust removal, protecting the service life of the instrument

Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

Accessories & Configuration list

Standard accessories

- 1 piece of gas detector
- Controller
- Instruction manual
- Qualification certificate
- Warranty card

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Controller



Optional accessories

- Dry filter device
- High temperature probe
- Pretreatment system
- Controller
- Power Adapter
- Switching power supply, etc.

Technical Specifications

Safegas YT-95H-B-A

Product Type: Fixed Pump Suction Gas Detector

Detected gas: various toxic and harmful gases

Sampling method: built-in pumping type, flow rate 400–500mL/min

Detection principle: electrochemistry, PID photo ion, catalytic combustion, infrared Ray

Measure range: 0–1ppm, 0–10ppm, 0–50ppm, 0–100ppm, 0–500ppm, 0–1000ppm (range optional)

Resolution: 0.001ppm, 0.01ppm, 0.1ppm, 1ppm (related to the selected range)

Precision: 2% F.S

Response time: ≤ 8 seconds (T90)

Installation method: wall-mounted, ducted, circulating (related to the monitoring environment)

Display: 2.4 inch color display, resolution 320*240

Concentration unit: PPM, mg/m³, %LEL, %VOL, etc. can be switched by one button, and the concentration value is automatically converted by the system.

Interface display: gas molecular formula, concentration unit, measured value, pump status, etc.

Temperature and humidity detection: temperature: –20–50 ° C, resolution: 0.1 ° C; humidity: 0–99% RH,

resolution: 1% RH (optional)

Signal output: standard 4–20mA current signal, RS485 digital signal, 1 group relay signal output; 1–5V (optional), two sets of relays (optional)

Wireless output (optional): GPRS wireless transmission function (optional); SMS reminder function (optional); built-in DTU module, upload data to the government's major monitoring cloud platforms, such as the Environmental Protection Agency, the Safety Supervision Bureau and other platforms, transmission Signal is not limited by distance (optional)

Data storage: independent SD memory card, record can be saved automatically, customizable recording interval (optional)

Communication and data download: TXT file of stored data can be download by connecting to the computer directly via USB; with the PC software to download, store, analyze and print the data.

Power supply: 12–36V DC

Language: Chinese / English

Alarm mode: sound and light alarm, high and low alarm value can be set

Alarm information push: can use WeChat to view real-time data and alarm information push (optional)

Recovery time: ≤ 10S

Working temperature: –20 ° C – 50 ° C (overheating optional filter or pretreatment system)

Operating humidity: 0 to 95% RH (no condensation) (high humidity can be optionally equipped with filter or pretreatment system)

Explosion-proof grade: II 2G Ex db IIC T6 Gb IP65

Protection level: IP65

Dimensions: (H x W x D) 308*202*97mm

Weight: about 3Kg

Standard accessories: remote controller, instruction manual, qualification certificate, warranty card

Optional accessories: dry filter, high temperature probe, pretreatment system, controller, power adapter, switching power supply, etc.

Certificate: type approval certificate for measuring instruments, explosion-proof certificate, CE ,ISO9001

Project Cases



◀ YT-95H-B-A
 Used in Large oil refinery
 and metallurgical plant, etc

▼ YT-95H-B-A
 Applied in sewage disposal plant,
 storage logistics and warehouse



▶ YT-95H-B-A
 Application in mines,
 Production workshop, site, etc

▼ YT-95H-B-A
 Used in Inspection and quarantine
 bureau, hospital, 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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