



SAFEGAS

Specialized in Gas Detection for 16 Years



YT-95H
Online Gas Detector With Display

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Product Overview

YT-95H series gas detector is a kind of monitoring gas concentration in different kinds of situations or pipelines 24h continuously wall mounted type gas detector. Using world first brand sensors, and advanced micro-process technology, with data display, fast response, high precision and good stability. Powered by 24V DC, with 4-20mA, RS485, relay signal output. Explosion proof, suitable for different kinds of situations.

Product Advantages

Product advantages

- Employing overseas original sensor.
- Standard equipped with three-wire system 4-20mA analog output; relay output; RS485 output (optional)
- Unique infrared ray control function, which can non-contacted control the device.
- Being compatible with all kinds of controlled alarms, PLC, DCS and other control system, can be remote monitored.
- Explosion-proof design, fast, reliable and stable.
- Explosion-proof grade: Ex d II CT6
- With self-calibration function and three standard keys will be used to realize on-site maintenance.

Features

- Monitor the specific gas concentration in environment or pipeline and alarm.
- With self-calibration and zero calibration function, makes the detection more accurate and reliable.
- With temperature compensation, this is able to realize gas concentration compensation under conditions of different temperatures.
- Infrared ray controller can remote control alarm point settings, zero calibration, and address modification.
- Can output one or two on-off signals, can drive ventilator or solenoid valve and other external devices.
- Working Voltage: 12-36V DC
- Case: die-cast aluminum



YT-95H

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Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

Technical Specification

SAFEGAS YT-95H

Gas Detected	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).
Install Method	Wall-mounted, piping type, flow-type(according to the detected environment)
Measure Range	The range is optional, according to the target gas and the sensor.
Resolution	According to sensor and measure range
Precision	±2%FS
Output signal	4-20mA, 0-5V, RS485, RS232, relay, wireless digital (optional)
Response Time	≤10S
Repeatability	≤±1%
Zero shift	≤±1% (F.S/year)
Connection mode	G1/2 external thread explosion-proof flexible pipe
Temperature	-20℃ ~ 50℃
Explosion-Proof	Ex d II CT6
Power	12-36V DC
Dimensions	180 × 150 × 90mm
Recovery Time	≤10S
Linearity error	≤±1%
Relay output	220V AC 3A (optional)
Thread Size	M45*2mm
Humidity	0-95%RH
Degree of protection	IP65
Operating time	24h
Weight	≤1.6kg

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	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
Methane (CH ₄)	0-4%VOL	0-100%VOL	0.01%VOL	≤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
Hydrogen (H ₂)	0-1000ppm	0-40000ppm	0.1ppm/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
Nitrous Oxides (NOX)	0-100ppm	0-2000ppm	0.01ppm/1ppm	≤10S
formaldehyde (CH ₂ O)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Ozone (O ₃)	0-10ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S
Carbon dioxide (CO ₂)	0-2000ppm	0-5000ppm	0.1ppm/1ppm	≤10S
sulfur dioxide (SO ₂)	0-20ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Ethylene oxide (ETO)	0-100ppm	0-1000ppm	0.01ppm/1ppm	≤10S
Phosphine (PH ₃)	0-10ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Hydrogen cyanide (HCN)	0-10ppm	0-100ppm	0.01ppm	≤10S
Nitrogen (N ₂)	0-100%VOL	0-90%VOL	0.01%VOL	≤10S
Hydrogen fluoride (HF)	0-10ppm	0-50ppm	0.01ppm	≤10S

Project Cases



- ◀ YT-95H
Applied in power plant, hazardous chemicals plant, etc.
- ▼ YT-95H
Application in sewage treatment, refuse treatment station, etc.



- ▶ YT-95H
Used in warehouse, freezer, etc.
- ▼ YT-95H
Used in steel mills, repair shops, 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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