



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.

More Accurate, More Rapid, More Reliable

www.isafegas.com

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



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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	O2, N2, CO2, 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 (O2)	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 (H2S)	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S
Methane (CH4)	0-4%VOL	0-100%VOL	0.01%VOL	≤10S
Ammonia (NH3)	0-100ppm	0-200ppm	0.01ppm/0.1ppm	≤10S
Chlorine (CL2)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Hydrogen Chloride (HCL)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Hydrogen (H2)	0-1000ppm	0-40000ppm	0.1ppm/1ppm	≤10S
Nitric oxide (NO)	0-100ppm	0-250ppm	0.01ppm/0.1ppm	≤10S
Nitrogen dioxide (NO2)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Nitrous Oxides (NOX)	0-100ppm	0-2000ppm	0.01ppm/1ppm	≤10S
formaldehyde (CH2O)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Ozone (O3)	0-10ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S
Carbon dioxide (CO2)	0-2000ppm	0-50000ppm	0.1ppm/1ppm	≤10S
sulfur dioxide (SO2)	0-20ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Ethylene oxide (ETO)	0-100ppm	0-1000ppm	0.01ppm/1ppm	≤10S
Phosphine (PH3)	0-10ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Hydrogen cyanide (HCN)	0-10ppm	0-100ppm	0.01ppm	≤10S
Nitrogen (N2)	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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