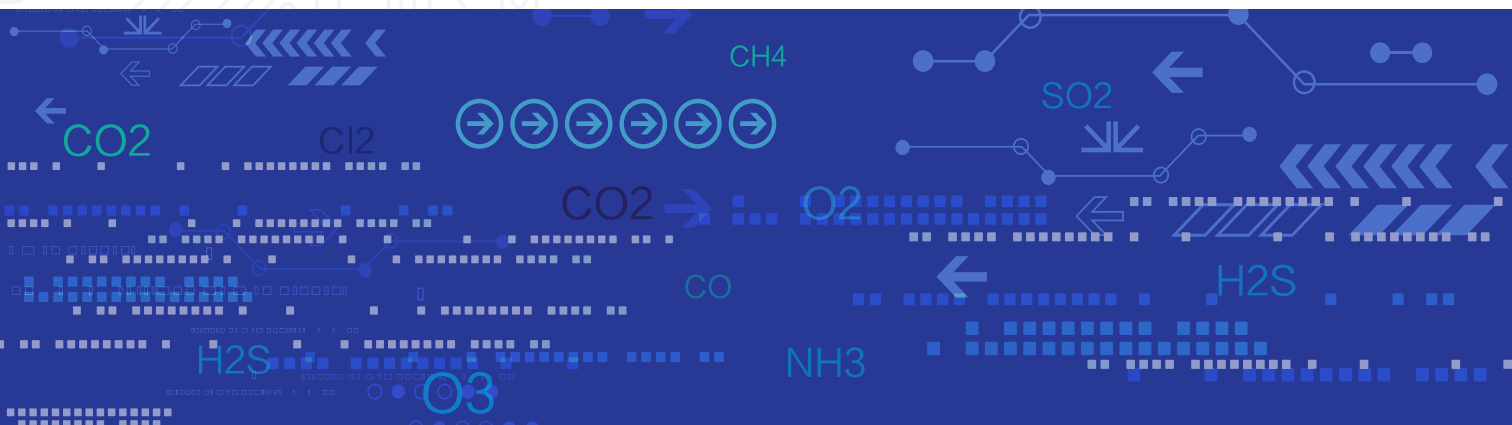




# SAFEGAS

Specialized in Gas Detection for 16 Years



YT-95H-A  
Online Gas Alarm

## YT-95H-A Online Gas Alarm

### Product Overview

YT-95H series gas detector(with alarm light) 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 and high/low alarm, 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.
- Tandard 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.
- Two-stage alarm with sound and light, alarm point is settable.
- 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 + stainless steel (alarm light)



YT-95H-A  
Online Gas Alarm

# Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

# Technical Specification

## SAFEGAS YT-95H-A

<b>Gas Detected</b>	O2, N2, CO2, EX, hazardous gas, VOC, etc.
<b>Detection Principle</b>	Electrochemistry, infrared ray, catalytic combustion, PID photo ionization (according to the target gas and sensor).
<b>Install Method</b>	Wall-mounted, piping type, flow-type(according to the detected environment)
<b>Measure Range</b>	The range is optional, according to the target gas and the sensor.
<b>Resolution</b>	According to sensor and measure range
<b>Precision</b>	±2%FS
<b>Output signal</b>	4-20MA, RS485, relay (optional)
<b>Response Time</b>	≤ 10S
<b>Repeatability</b>	≤ ± 1%
<b>Zero shift</b>	≤ ± 1% ( F.S/year )
<b>Connection mode</b>	G1/2 external thread explosion-proof flexible pipe
<b>Temperature</b>	-20℃ ~ 50℃
<b>Explosion-Proof</b>	Ex d II CT6
<b>Alarm mode</b>	Sound, light
<b>Dimensions</b>	180 × 150 × 90mm
<b>Recovery Time</b>	≤ 10S
<b>Linearity error</b>	≤ ± 1%
<b>Display</b>	High light nixie tube display
<b>Gas unit</b>	PPM
<b>Humidity</b>	0-95%RH
<b>Degree of protection</b>	IP65
<b>Operating time</b>	24h
<b>Weight</b>	≤ 1.6kg

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

Gas detected	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-A  
Applied in power plant,  
hazardous chemicals plant, etc.

▼ YT-95H- A  
Application in sewage treatment,  
refuse treatment station, etc.



▶ YT-95H-A  
Used in warehouse, freezer, etc.

▼ YT-95H-A  
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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