

HIREP



**GAS
DETECTI
ON EXPERT**



HIREP

PRODUCT CATALOGUE

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**PROFESSIONAL DETECTION
EQUIPMENT MANUFACTURER**

SUPPORT OEM/ODM SERVICES PROVIDING COMPLETE SYSTEM SOLUTIONS

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About HIREP



50+

Qualification Certificate



100+

Professional Staff



12000m

The Factory Land Area



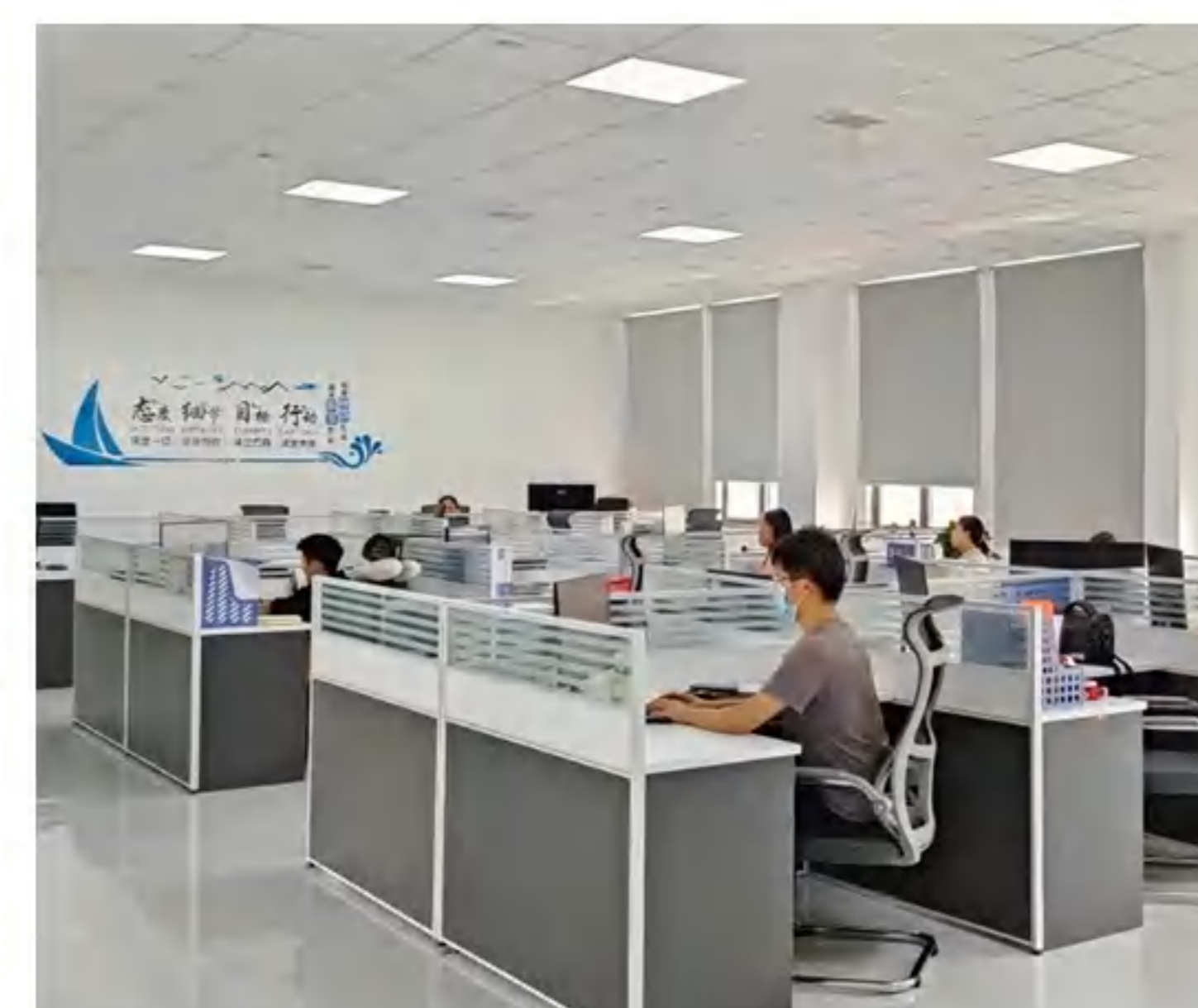
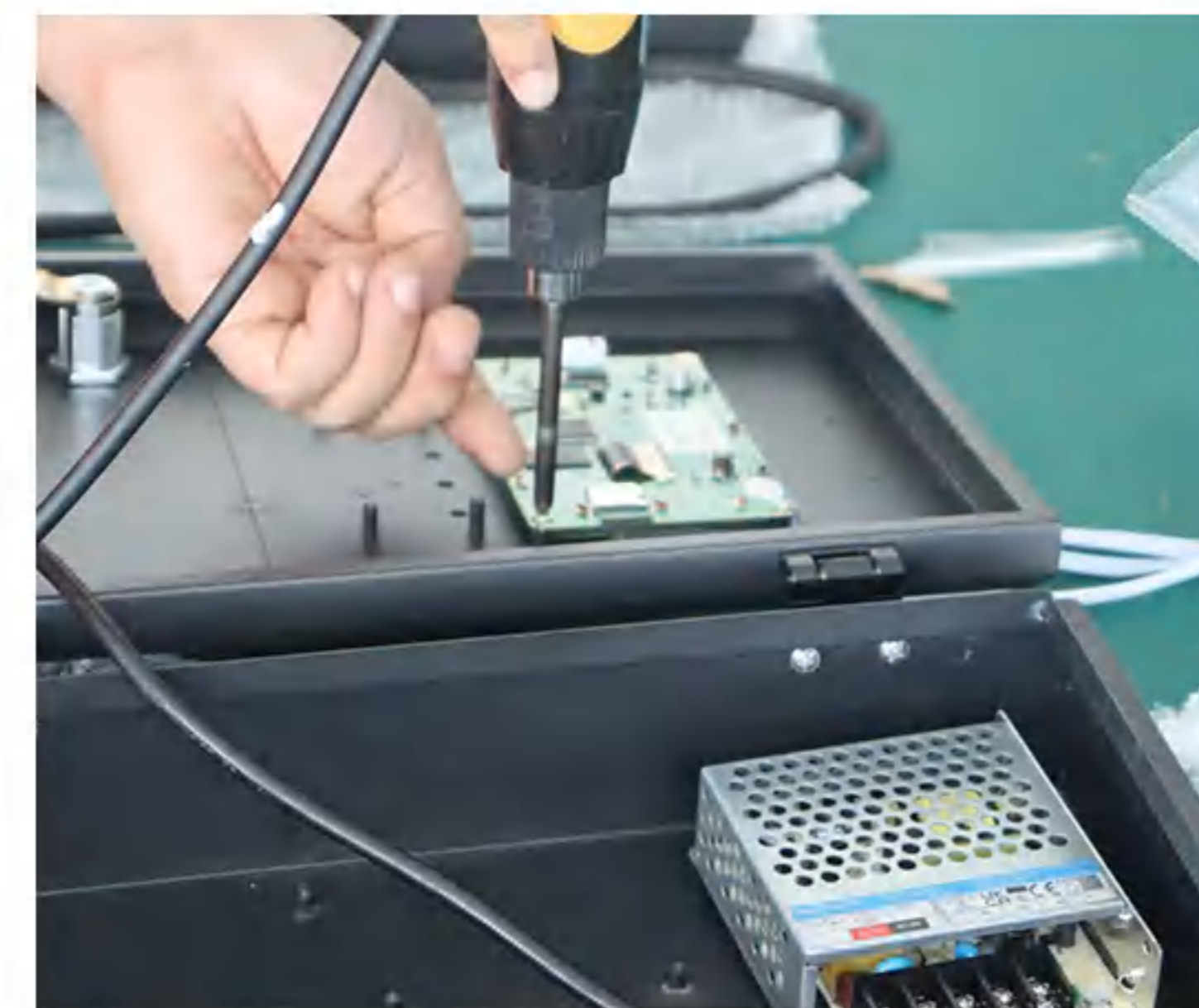
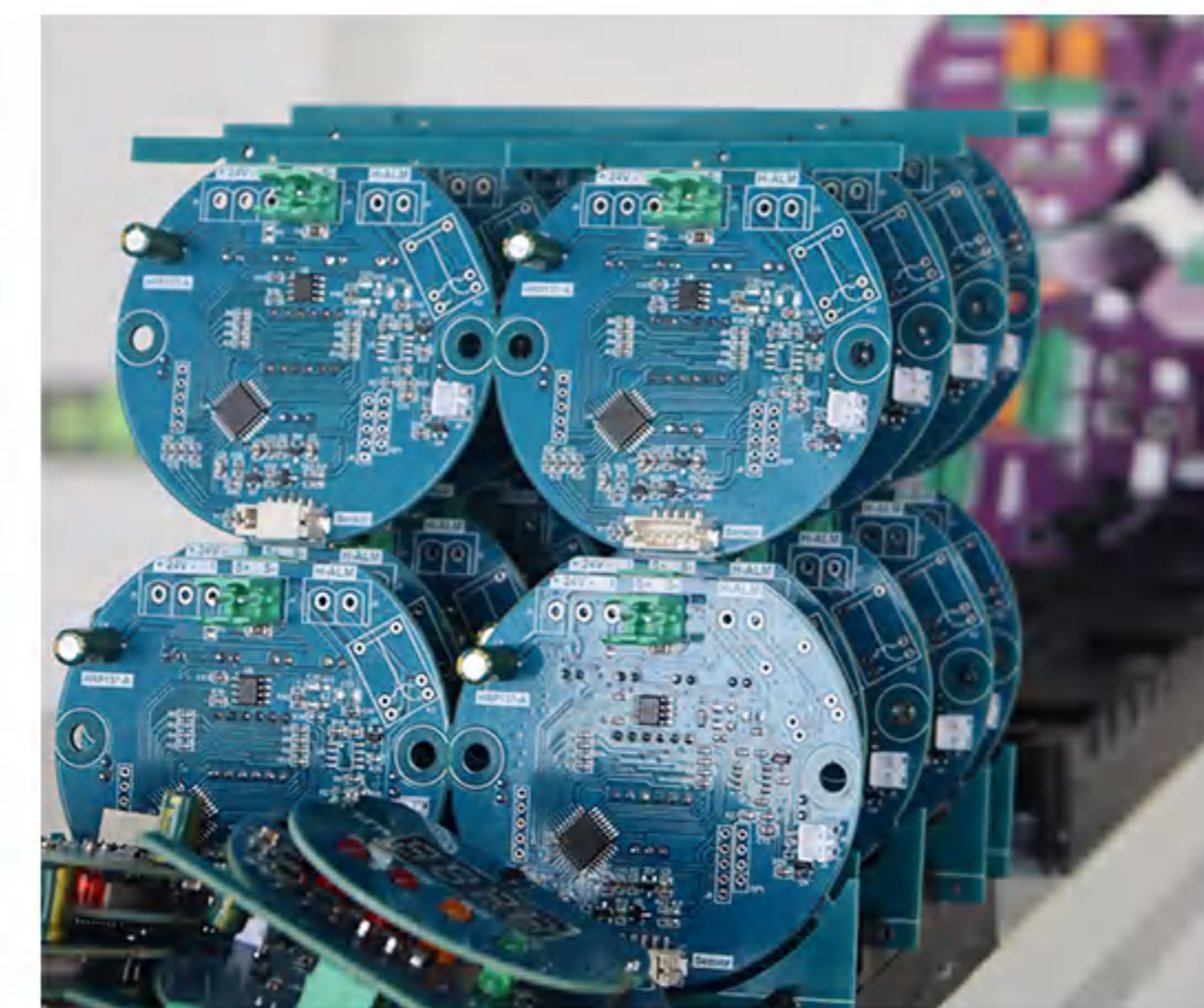
10+ YEARS

Rich R&D Experience

HIREP IS A PROFESSIONAL DETECTION EQUIPMENT MANUFACTURER THAT FOCUSES ON THE R&D AND APPLICATION OF PRECISION DETECTION TECHNOLOGY. DEDICATED TO PROVIDING HIGH-QUALITY GAS DETECTION SYSTEMS AND ENVIRONMENTAL MONITORING INSTRUMENTS, ITS CORE PRODUCTS INCLUDE GAS DETECTORS, LASER DUST DETECTORS, AND IOT-BASED SOLUTIONS. WITH OVER 10 YEARS OF EXPERTISE, OUR PRODUCTS SERVE INDUSTRIES SUCH AS PETROLEUM, CHEMICALS, MINING, AND PHARMACEUTICALS, HELPING COMPANIES ENHANCE WORKPLACE SAFETY AND ENVIRONMENTAL PROTECTION. OUR GLOBAL PRESENCE SPANS ACROSS MORE THAN 20 PROVINCES IN CHINA, AND OUR PRODUCTS ARE ALSO EXPORTED TO KEY MARKETS IN EUROPE, THE AMERICAS, SOUTHEAST ASIA, THE MIDDLE-EAST AND MORE.

MARKET PERFORMANCE AND BUSINESS PHILOSOPHY

WITH THE CORE PHILOSOPHY OF "PRECISE DETECTION, SAFEGUARDING SAFETY", HIREP CONTINUOUSLY DRIVES TECHNOLOGICAL INNOVATION. IT NOW HOLDS OVER 20 NATIONAL PATENTS AND MORE THAN 30 SOFTWARE COPYRIGHTS. ALL PRODUCTS UNDERGO STRICT QUALITY CONTROL AND HAVE OBTAINED INTERNATIONAL CERTIFICATIONS INCLUDING EMC (ELECTROMAGNETIC COMPATIBILITY), ATEX (EUROPEAN EXPLOSION-PROOF STANDARD), AND SIL4 (SAFETY INTEGRITY LEVEL 4). IN 2022, HIREP WAS AWARDED ONE OF THE "TOP 10 BRANDS IN THE GAS DETECTION INDUSTRY".



Certificato di esame UE del tipo EU-type examination certificate n. ECM 25 ATEX-B TW84

Relazione Società: Zhengzhou Huiripu Electronic Technology Co., Ltd.
 Indirizzo: 8th Floor, Building 20, Phase 1 of Liandong U Valley, No.352 Lianhua Street, High-tech Industrial Development Zone, Zhengzhou City, Henan Province, China
 Apparecchiatura: Gas Detector
 Modelli: GS-403, GF-403, HRP-T1000, HRP-T2000, HRP-B1000, HRP-B1000

Ente Certificazione Macchine srl

CERTIFICATE OF CONFORMITY

Supplier's Declaration of Conformity

Applicant: Zhengzhou Huiripu Electronic Technology Co., Ltd.
Manufacturer: Zhengzhou Huiripu Electronic Technology Co., Ltd.
Product: Gas Detection Instrument
Model(s): HRP-B1000, HRP-B1000, HRP-B1000, HRP-FM100
Test Standard: FCC Part 15 Subpart B ANSIC3.4:2014

FC

Shenzhen BKC Testing Co., Ltd.
 Room103, 1/F, Huayu Building, Huayu Industrial Park, Youzong Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China
 Tel: 4000-975-382 0755-84262082 E-mail: bk@bkc-lab.com

SIL Functional Safety Certificate

Product: Gas Detector
Model(s): HRP-T1000, HRP-T2000, HRP-B1000, GF-H100, CN-100, K-3000, K-5000, K-7000
Standard: IEC 61508 Parts 1-7:2010
Verification Mark: SIL Approved

Shenzhen BKC Testing Co., Ltd.
 Room103, 1/F, Huayu Building, Huayu Industrial Park, Youzong Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China
 Tel: 4000-975-382 0755-84262082 E-mail: bk@bkc-lab.com

ELECTROMAGNETIC COMPATIBILITY DIRECTIVE ATTESTATION OF CONFORMITY

Product Name: Multi-parameter gas detector
Model/Type: HRP-B1000 (C/D)

UDM


UDM International Certification
 Auditing Center Industry and Trade Co., Ltd.
 Mustafa MEMROKCU
 General Manager

HRP-BJ100

GAS LEAK DETECTOR

Portable high-precision intelligent gas detection equipment is designed for rapid location and accurate detection of gas leaks in industrial sites. It enables real-time alarms for trace gas leaks and rapid investigation of leak points, making it an essential tool for industrial safety production and equipment maintenance.

PRODUCT SPECIFICATIONS

- Detected Gas:** Combustible gasesn
- Detection Principle:** Semiconductor sensing
- Detection Mode:** Diffusion type
- Display Error:** +10%+ 50 μ mol/mol(Methane equivalent)
- Measuring Range:** 0-10000 μ mol/mol
- MeasurementAccuracy:** \leq 3% F.S.
- Response Time:** Instant response
- Alarm Modes:** Audible, visual, and vibration alarms
- Setting Method:** Button
- Power supply:** DC 3.7V
- Battery Type:** 2000mAh Rechargeable lithium
- Charging Time:** 6-8 hours
- Standby Time:** \geq 8 hours
- Dimensions:** 200*70*25 mm
- Product Weight:** 500g
- Explosion-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Protection Rating:** IP65
- Enclosure Material:** ABS engineering plastic



PRODUCT FEATURES

Diffusion Sampling



Gooseneck Tube Sampling, suitable for various application scenarios

Portability



Lightweight and portable, operable with one hand, suitable for various industrial on-site applications.

High precision



High detection accuracy, PPM-level resolution

Detection



Triple alarm (acoustic, optical and vibration) and status indication for safe and rapid response.

HRP-B1000 -A

PORTABLE COMBUSTIBLE GAS DETECTOR

This intrinsically safe combustible gas detector is specifically designed for on-the-go industrial site inspections. It enables rapid detection, real-time alarms, and data traceability of combustible gases, making it an essential safety tool for workers. Features include high-precision detection, a multi-level alarm system, portability, and long battery life.



PRODUCT SPECIFICATIONS

Sampling method:natural diffusion

Detection Range:PPM、%LEL、%VOL

Accuracy : $\leq 3\%$ FS.

Response time: T<60s (EX/CO/O2/H2S \leq 30S)

Working temperature : Combustible gas-20°C~70°C

Toxic and O2: -10°C~55°C"

Working humidity : <95%RH (no condensation)

Operating voltage: DC3.7V Li battery 2000mAh

Alarm method: Audible, visual, and vibration alarm

Ingress protection: IP66

Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 

Dimensions: 145*70*35mm

Weight:250g

Battery Runtime:>10H



PRODUCT FEATURES

Stability



Triple alarm (acoustic,optical and vibration) and status indication for safe and rapid response.

Portability



Lightweight andportableoperable with one handsuitable for various industrial on-site applications .

High precision



High detection accuracy , PPM-level resolution

Rugged and Durable



Built-in large-capacity 2000mAh rechargeable lithium battery with low power consumption, enabling longcontinuous working hours .

HRP-B1000 -B

PORTABLE SINGLE TOXIC GAS DETECTOR

This intrinsically safe personal protective equipment is specifically designed for protection against specific toxic gases. It enables accurate detection, real-time alarm, and data traceability of a single toxic gas, making it an essential personal protective tool for workers. Features include dedicated detection, no cross-interference, a multi-level alarm system, and long battery life.



PRODUCT SPECIFICATIONS

Sampling method:natural diffusion

Detection Range:PPM、 mg/m³

Accuracy : $\leq 5\%$ FS. (CO/O₂/H₂S $\leq 3\%$ FS)

Response time: T<60s (CO/O₂/H₂S ≤ 30 S)

Working temperature : Combustible gas-20°C~70°C

Toxic and O₂: -10°C~55°C"

Working humidity : <95%RH (no condensation)

Operating voltage: DC3.7V Li battery 2000mAh

Alarm method: Audible, visual, and vibration alarm

Ingress protection: IP66

Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 

Dimensions: 145*70*35mm

Weight:250g

Battery Runtime:>72H



PRODUCT FEATURES

Stability



Triple alarm (acousticoptical and vibration) and status indication for safe and rapid response.

Portability



Lightweight andportableoperable with one handsuitable for various industrial on-site applications .

High precision



High detection accuracy , PPM-level resolution

Rugged and Durable



Built-in large-capacity 2000mAh rechargeable lithium battery with low power consumption, enabling longcontinuous working hours.


HRP-B1000 -C

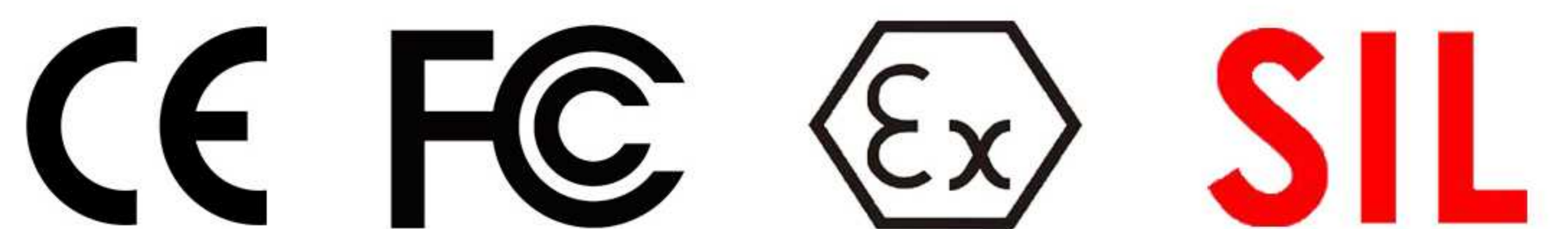
PORTABLE 4 IN 1 GAS DETECTOR

The HRP-B1000-C is a portable four-in-one gas detector, a standard emergency detection device in the industrial safety field. Designed specifically for confined space operations and emergency rescue personnel, it can detect four core gases: flammable gas (LEL), carbon monoxide (CO) hydrogen sulfide (H₂S), and oxygen (O₂).



PRODUCT SPECIFICATIONS

- Sampling method:natural diffusion
- DetectedGase:Combustible gases, toxic , O₂ and TVOC
- Detection Principle: PPM、%LEL、 %VOL、 mg/m³
- Accuracy : $\leq 5\%$ FS. (EX/CO/O₂/H₂S $\leq 3\%$ FS)
- Response time: T<60s (EX/CO/O₂/H₂S ≤ 30 S)
- Working temperature : Combustible gas-20°C~70°C
Toxic and O₂: -10°C~55°C"
- Working humidity : <95%RH (no condensation)
- Operating voltage: DC3.7V Li battery 2000mAh
- Alarm method: Audible, visual, and vibration alarm
- Ingress protection: IP66
- Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 
- Dimensions: 145*70*35mm
- Weight:250g
- Battery Runtime:>8H



PRODUCT FEATURES

Stability



Triple alarm (acousticoptical and vibration) and status indication for safe and rapid response.

High precision



High detection accuracy, PPM-level resolution

Portability



Lightweight andportableoperable with one handsuitable for various industrial on-site applications.

Rugged and Durable



Built-in large-capacity 2000mAh rechargeable lithium battery with low power consumption, enabling longcontinuous working hours.

HRP-B1000 -D

PORTABLE MULTI GAS DETECTOR

This intrinsically safe personal detection device integrates multiple independent sensors and is specifically designed for complex and high-risk scenarios where multiple gases coexist. It enables simultaneous and accurate monitoring of 1-4 gases, real-time intelligent early warning, and data traceability, providing comprehensive personal safety protection for workers.



PRODUCT SPECIFICATIONS

Sampling method:natural diffusion

Detection Range:PPM、%LEL、%VOL、mg/m³

Accuracy : $\leq 5\%$ FS. (EX/CO/O₂/H₂S $\leq 3\%$ FS)

Response time: T<60s (EX/CO/O₂/H₂S ≤ 30 S)

Working temperature : Combustible gas-20°C~70°C

Toxic and O₂: -10°C~55°C"

Working humidity : <95%RH (no condensation)

Operating voltage: DC3.7V Li battery 2000mAh

Alarm method: Audible, visual, and vibration alarm

Ingress protection: IP66

Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 

Dimensions: 145*70*35mm

Weight:250g

Battery Runtime:>8H



PRODUCT FEATURES

Stability



Triple alarm (acoustic,optical and vibration) and status indication for safe and rapid response.

Portability



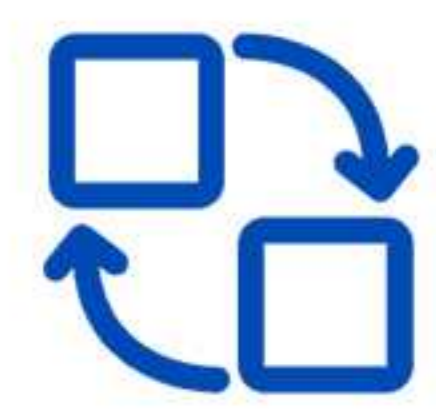
Lightweight andportableoperable with one handsuitable for various industrial on-site applications .

High precision



High detection accuracy , PPM-level resolution

Detection



Supports single or multi-gas detection, covering more than 500 gas types.

HRP-B1000 -E

PORTABLE MULTI GAS DETECTOR

It supports flexible combination and customization, with independent data acquisition and calibration for each gas to prevent cross-interference. Its ppm-level high sensitivity can quickly detect trace gas leaks. It supports multi-level alarms (low reading, high reading, over-range, sensor failure), and the alarm threshold for each gas is customizable. The entire unit has passed ATEX II 2G Ex db IIC T4 Gb intrinsically safe explosion-proof certification.



PRODUCT SPECIFICATIONS

Sampling method: natural diffusion

Detection Range: PPM、%LEL、%VOL、mg/m³

Accuracy : $\leq 5\%$ FS. (EX/CO/O₂/H₂S $\leq 3\%$ FS)

Response time: T<60s (EX/CO/O₂/H₂S ≤ 30 S)

Working temperature : Combustible gas-20°C~70°C

Toxic and O₂: -10°C~55°C"

Working humidity : <95%RH (no condensation)

Operating voltage: DC3.7V Li battery 2000mAh

Alarm method: Audible, visual, and vibration alarm

Ingress protection: IP66

Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 

Dimensions: 145*70*35mm

Weight:250g

Battery Runtime:>8H



PRODUCT FEATURES

Stability



Triple alarm (acoustic, optical and vibration) and status indication for safe and rapid response.

Portability



Lightweight and portable, operable with one hand, suitable for various industrial on-site applications.

Alarm



Triple alarm with audible, visual and vibration alerts plus status indication ensures safe and rapid response.

Rugged and Durable



Built-in large-capacity 2000mAh rechargeable lithium battery with low power consumption, enabling long continuous working hours.

HRP-B1000 -F

PORTABLE ASPIRATING GAS DETECTOR

A portable pump-suction gas detector is a mobile gas detection device that integrates a built-in sampling pump. It can quickly and accurately detect the concentration of combustible gases, toxic and harmful gases, or oxygen by actively extracting gas from the environment being tested.

PRODUCT SPECIFICATIONS

Detected Gas Type: Combustible gas, toxic gas, O₂ and TVOC

Detect: Detect the content of 1-5 gases

Detection Mode: Pump Suction

Accessories : Sampling Probe

Measuring Range: 0-1000 ppm; 0-100% LEL; 0-100% VOL

Measurement Accuracy: ≤ 3% F.S.

Response Time: Combustible gases < 30 s (T90),
Toxic gases < 60 s

Alarm Modes: Audible, visual, and vibration alarms

Data Storage: 9999 records

Power supply: DC 3.7V

Battery Type: 2000mAh Rechargeable lithium

Charging Time: 6-8 hours

Standby Time: ≥ 8 hours

Dimensions: 145*80*65 mm (Without sampling probe)

Product Weight: 300g

Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 

Protection Rating: IP66

Enclosure Material: ABS engineering plastic



PRODUCT FEATURES

Detection



Advanced pump-suction technology enables rapid gas sampling and provides real-time detection results.

Portability



Lightweight and portable, operable with one hand, suitable for various industrial on-site applications.

Dual Modes



Different detection methods can be used in various scenarios, supporting both pump-suction and diffusion modes to meet the requirements of different environments.

Alarm



Triple alarm (acoustic, optical and vibration) and status indication for safe and rapid response.

HRP-T1000 -A

FIXED COMBUSTIBLE GAS DETECTOR

This fixed monitoring equipment, specifically designed for flammable gas leaks in industrial sites, enables 24-hour continuous and accurate monitoring, tiered early warning, and remote centralized management to prevent explosions and ensure industrial production safety. Achieving "real-time monitoring, tiered early warning, remote networking, and stable operation," it forms the core line of defense for ensuring production safety and preventing explosions in high-risk industries such as petrochemicals, gas, and metallurgy.



PRODUCT SPECIFICATIONS

Detected Gases: COMBUSTIBLE GAS, TOXIC GAS

Sample method: DIFFUSE NATURALLY

Detection Range: PPM、%LEL、 %VOL

Response Time: LEL<30S (T90),

Setting Method: BUTTON OR REMOTE CONTROL

Power: DC 24V±4V ≤3W

Output Signal: 4-20MA/RS485

Transmission Distance: <1000M

Operating Temperature: -40℃~+55℃

Relative Humidity: ≤ 95% (NON-CONDENSING)

Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 

Ingress protection: IP66

Enclosure Material: DIE-CAST ALUMINUM

Dimensions: 195 X 185 X 95 M

Product Weight: <1000G

Connection Thread: M20 X 1.5 OR G1/2

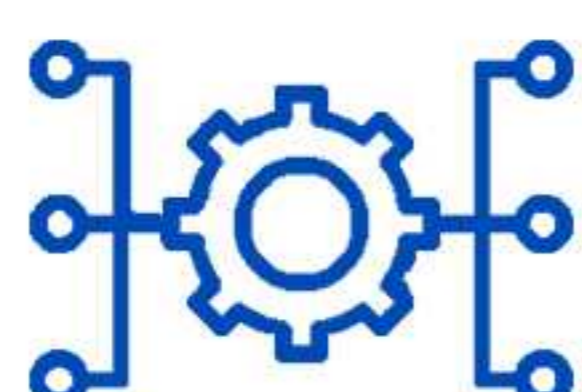
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

Monitoring



24/7 continuous online monitoring

Alarm Content



Audible and visual alarm, Two level alarm, Relay output



HRP-T1000 -B

FIXED TOXIC GAS DETECTOR

The HRP-T1000-B is a continuous online monitoring device installed in industrial sites to detect changes in the concentration of toxic and harmful gases in the environment in real time. When the concentration of the measured gas reaches a preset alarm threshold, the device immediately issues an audible and visual alarm and outputs a signal to the upper-level system, providing reliable protection for personnel and preventing accidents. This device typically uses electrochemical sensors (infrared, PID, etc. are optional for some gases), featuring high sensitivity, fast response, and good stability, and is widely used in industrial and public places with a risk of poisoning.

PRODUCT SPECIFICATIONS

Detected Gases: COMBUSTIBLE GAS, TOXIC GAS

Sample method: DIFFUSE NATURALLY

Detection Range: PPM、MG/M³

Response Time: LEL<30S (T90), TOXIC < 60 S

Mounting Method: WALL-MOUNTED

Power: DC 24V ±4V ≤3W

Output Signal: 4-20MA/RS485

MEASURING : RANGE:0-1000 PPM,0-100%LEL

Operating Temperature: -20°C~+55°C

Relative Humidity: ≤ 95% (NON-CONDENSING)

Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 

Ingress protection: IP66

Enclosure Material: DIE-CAST ALUMINUM

Dimensions: 195 X 185 X 95 M

Product Weight: <1000G

Connection Thread: M20 X 1.5 OR G1/2



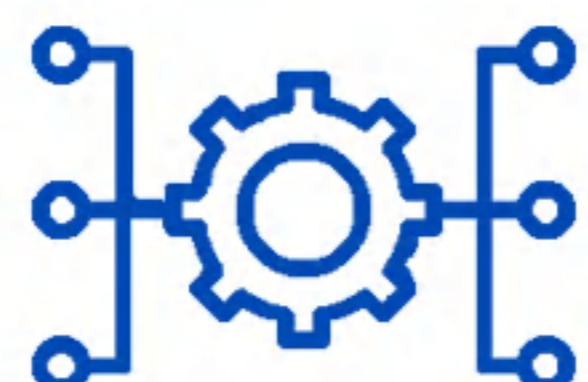
PRODUCT FEATURES

High precision



High detection accuracy PPM-level resolution

Adaptability



excellent adaptability, and modular design

Protection



IP66 protection rating suitable for harsh industrial environments

Alarm Content



Audible and visual alarm, Two level alarm, Relay output


HRP-T1000 -C

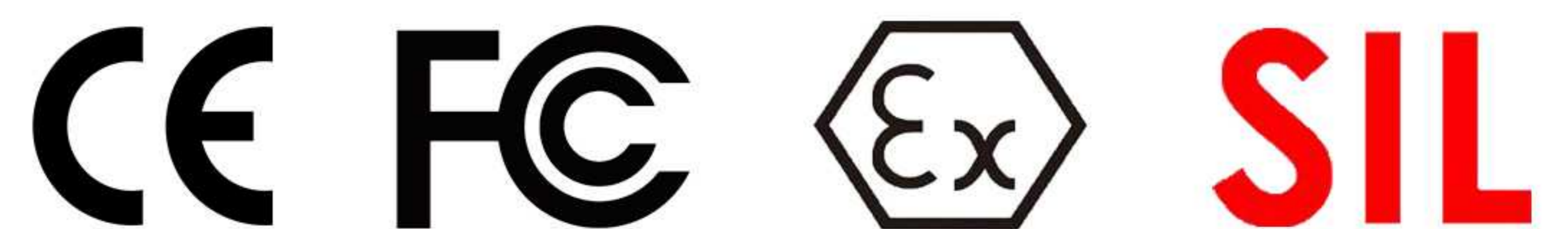
FIXED INFRARED COMBUSTIBLE GAS DETECTOR

This industrial-grade safety monitoring equipment, employing non-dispersive infrared (NDIR) core technology, is specifically designed for continuous monitoring of combustible gases across the entire range and is suitable for special industrial scenarios that traditional detectors cannot cover.



PRODUCT SPECIFICATIONS

- Detected Gases: Combustible gas, toxic gas
- Sample method: Diffuse naturally
- Detection Range: PPM, %LEL, %VOL, mg/m³
- Response Time: LEL < 30S (T90), Toxic < 60 S
- Setting Method: Button OR Remote Control
- Power: DC 24V ± 4V ≤ 3W
- Output Signal: 4-20MA/RS485
- Transmission Distance: < 1000M
- Operating Temperature: -20°C ~ +55°C
- Relative Humidity: ≤ 95% (non-condensing)
- Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 
- Ingress protection: IP66
- Enclosure Material: Die-cast aluminum
- Dimensions: 195 x 185 x 95 mm
- Product Weight: < 1000g
- Connection Thread: M20 x 1.5 or G1/2



PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Transmission



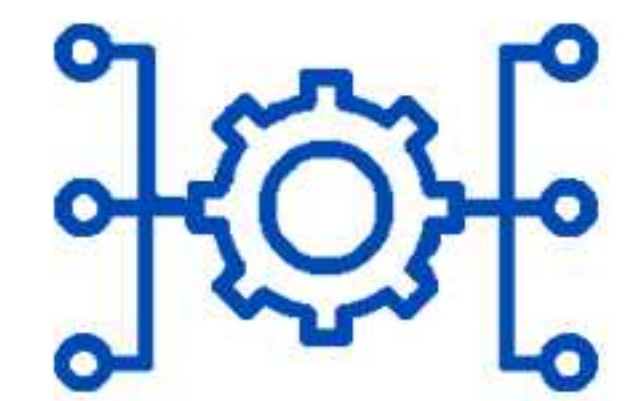
4-20mA or RS485, Can upload DCS and PLC

Monitoring



24/7 continuous online monitoring

Adaptability



excellent adaptability, and modular design


HRP-T1000 -D

STAND-ALONE GAS DETECTOR

This plug-and-play industrial safety device integrates detection, display, and alarm functions. It is designed for independent gas monitoring in small-scale scenarios and can complete the full monitoring and early warning tasks without the need for an external controller.



PRODUCT SPECIFICATIONS

- Detected Gases: Combustible gas, toxic gas
- Sample method: Diffuse naturally
- Detection Range: PPM、%LEL、%VOL、mg/m³
- Response Time: LEL<30S (T90), Toxic < 60 S
- Setting Method: Button OR Remote Control
- Power: AC 110V±220V ≤3W
- Output Signal: 4-20MA/RS485
- Transmission Distance: <1000M
- Operating Temperature: -20°C~+55°C
- Relative Humidity: ≤ 95% (NON-CONDENSING)
- Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 
- Ingress protection: IP66
- Enclosure Material: Die-cast aluminum
- Dimensions: 195 x 185 x 95 mm
- Product Weight: <1000g
- Connection Thread: M20 x 1.5 or G1/2



PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Alarm Content



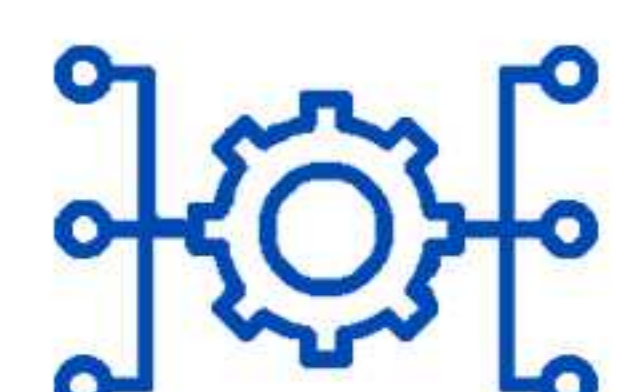
Audible and visual alarm, Two level alarm, Relay output

Transmission



4-20mA or RS485, Can upload DCS and PLC

Adaptability



excellent adaptability, and modular design

K3000/K6000/K9000



GAS ALARM CONTROLLER

The core control and management unit of the industrial gas detection system is designed for centralized management of multiple gas detectors, enabling real-time centralized monitoring, hierarchical alarms, intelligent linkage control, and data traceability. It is an essential core device for building a gas safety protection system.

K3000



(Color LCD Screen; 2/4-Wire Bus, 4 Relay output)

K9000



(Color LCD Screen; 4-Wire Bus, 6 Relay output)

PRODUCT SPECIFICATIONS

Display Screen: 4.3-inch LCD color display

Setting Method: Button/Touchscreen

Power Supply: AC 85-240V 50Hz/60Hz

Relay Output: 4 (or 6) channels of passive relay output contact rating 10 A / 220 VAC

Operating Temperature: -10°C to 50°C

Measurement Accuracy: ≤ 3% F.S.

Relative Humidity: < 95% (non-condensing)

System Power: Maximum 10 W (without external devices connected)

Maximum Detectors Supported: Bus connection (RS485) 128 units Branch wiring (4-20mA) 32units

Connection Method: 4-wire Bus 3-wire Branch wiring

Communication Interface: 4-20mA/RS485

Digital upload: RS485 Modbus-RTU

Alarm Type: Two-level alarm (user-configurable)

Alarm Indication: Real-time alerts via indicator lights LCD display, and buzzer

Storage Capacity: Stores up to 20000 alarm event records

Mounting: Wall-mounted installation

Dimensions: 245 * 340 * 90 mm

K3000

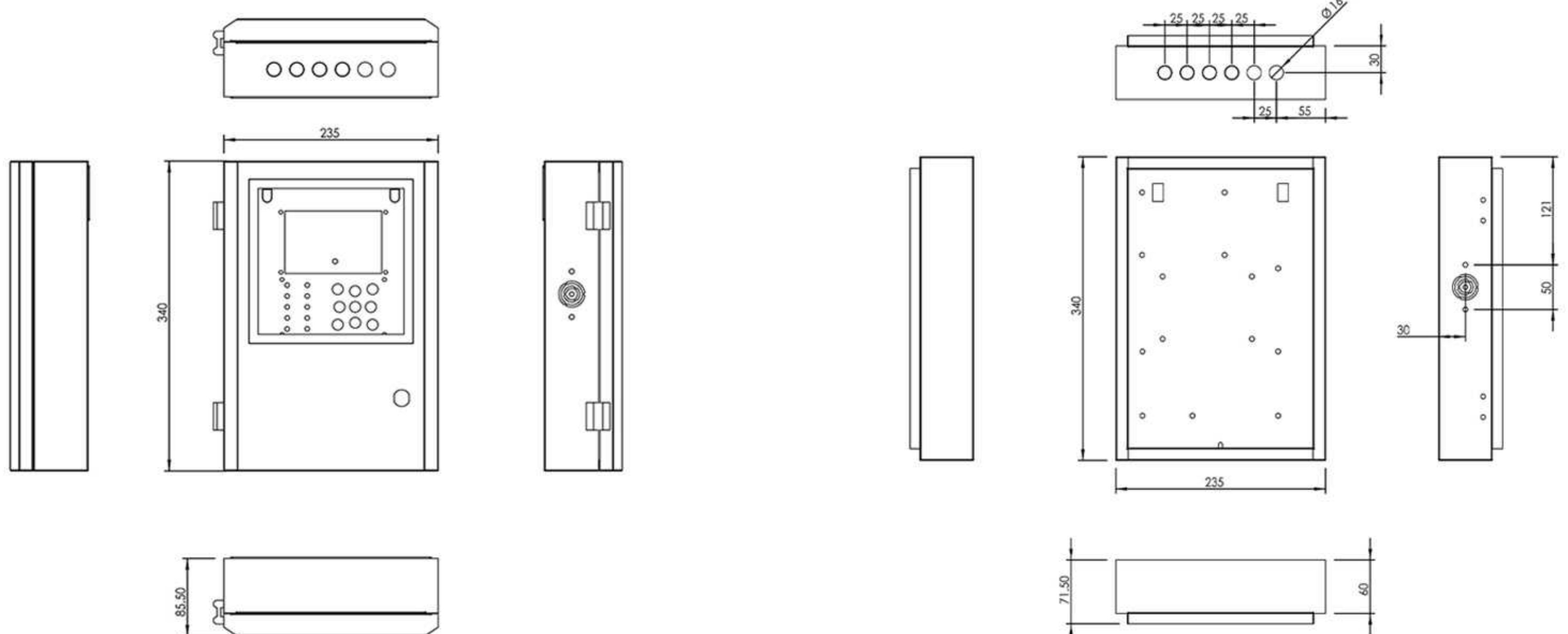


(Monochrome LCD Screen; 2/4-Wire Bus, 4 Relay output)

K6000



(Color LCD Screen; 3-wire branch wiring, 4 Relay output)



Two-wire Bus Input



Remote Monitoring Computer (PC)

HIREP Gas Alarm Controller

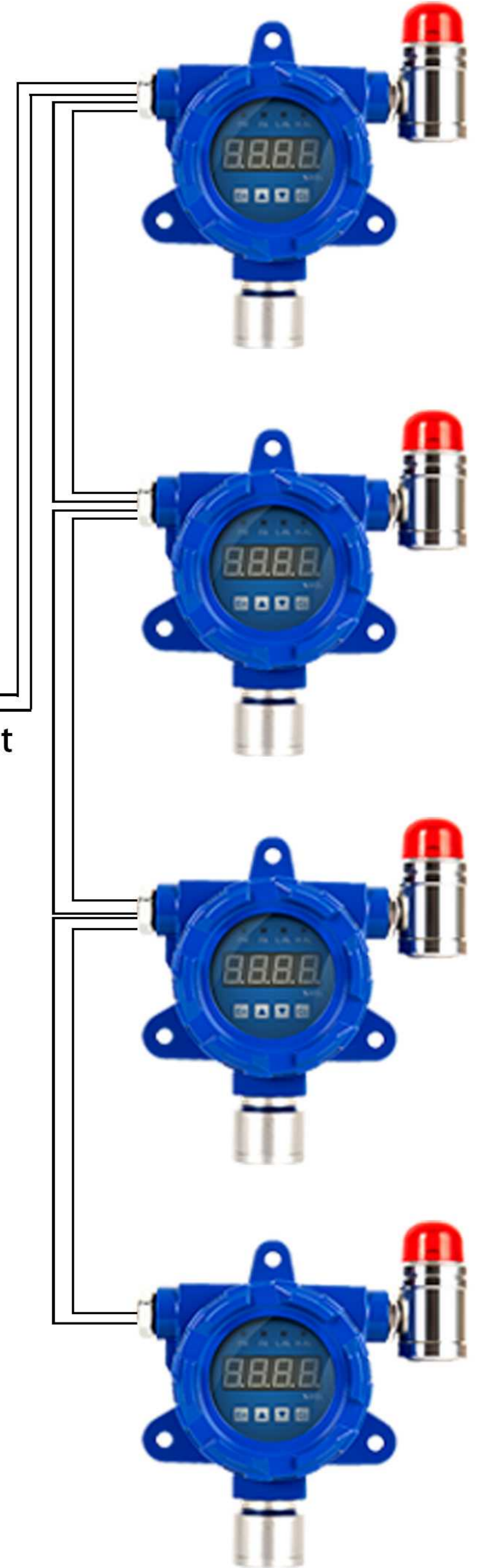


RS-485 Bus Input



TCP/IP Converter
(Network Interface)

placed inside the controller




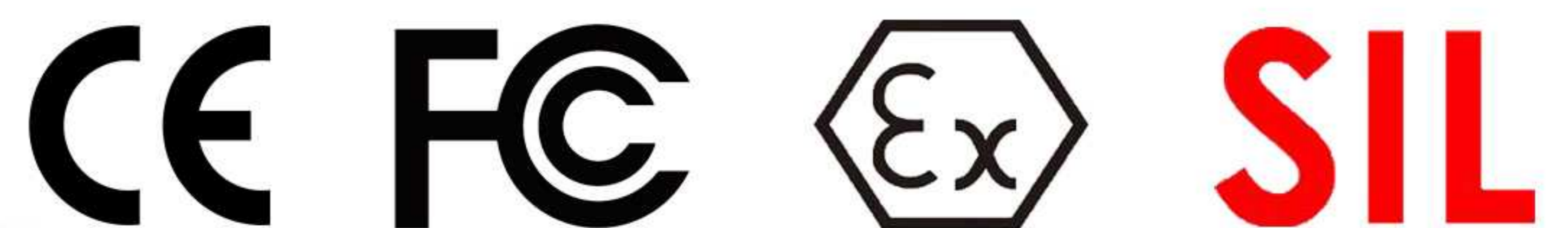
HRP-T1000 -E

LORA WIRELESS GAS DETECTOR LORA

Industrial-grade gas monitoring equipment equipped with a dedicated LoRa spread spectrum communication module is designed for large factory areas, concentrated multi-point locations, and complex obstruction scenarios, enabling long-distance, low-power, and low-cost centralized monitoring via wireless networking.

PRODUCT SPECIFICATIONS

- Detected Gases:** Combustible gas, toxic gas
- Sample method:** Diffuse naturally
- Detection Range:** PPM、%LEL、%VOL、mg/m³
- Response Time:** LEL<30S (T90), Toxic < 60 S
- Setting Method:** Button OR Remote Control
- Power:** AC 110V±220V ≤3W
- Output Signal:** 4-20MA/RS485
- Transmission Distance:** <1000M
- Operating Temperature:** -20°C~+55°C
- Relative Humidity:** ≤ 95% (NON-CONDENSING)
- Explosin-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Ingress protection:** IP66
- Enclosure Material:** Die-cast aluminum
- Dimersions:** 195 x 185 x 95 m
- Product Weight:** <1000g
- Connection Thread:** M20 x 1.5 or G1/2



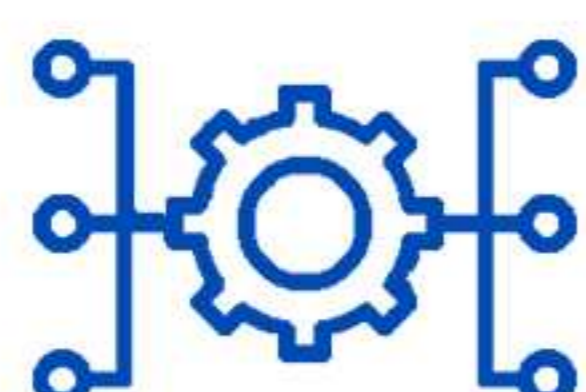
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

Monitoring



24/7 continuous online monitoring

Transmission



4-20mA or RS485, Can upload DCS and PLC


HRP-T1000 -H

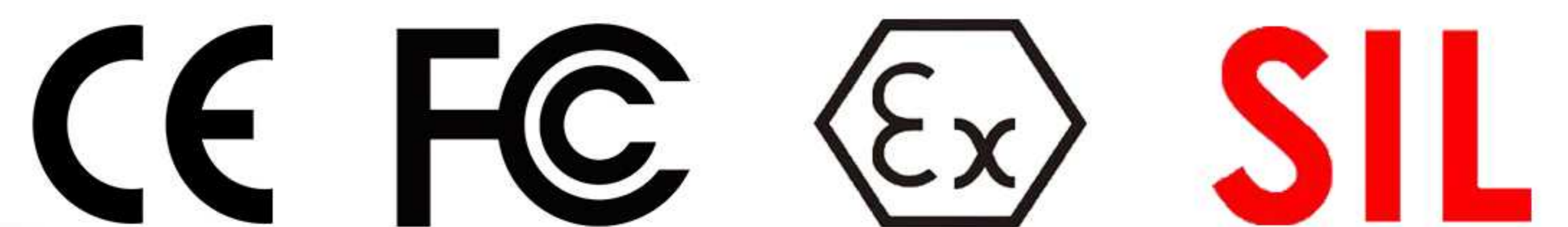
4GWIRELESS GAS DETECTOR

This intelligent industrial-grade gas monitoring device, equipped with a 4G wireless module, is designed for scenarios where wiring is not possible, remote single-point locations, and mobile operations are required. It enables real-time wireless transmission of gas concentration and remote unattended monitoring.



PRODUCT SPECIFICATIONS

- Detected Gases: Combustible gas, toxic gas
- Sample method: Diffuse naturally
- Detection Range: PPM, %LEL, %VOL, mg/m³
- Response Time: LEL<30S (T90), Toxic < 60 S
- Setting Method: Button OR Remote Control
- Power: AC 110V±220V ≤3W
- Output Signal: 4-20MA/RS485
- Transmission Distance: <1000M
- Operating Temperature: -20°C~+55°C
- Relative Humidity: ≤ 95% (NON-CONDENSING)
- Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 
- Ingress protection: IP66
- Enclosure Material: Die-cast aluminum
- Dimersions: 195 x 185 x 95 m
- Product Weight: <1000g
- Connection Thread: M20 x 1.5 or G1/2



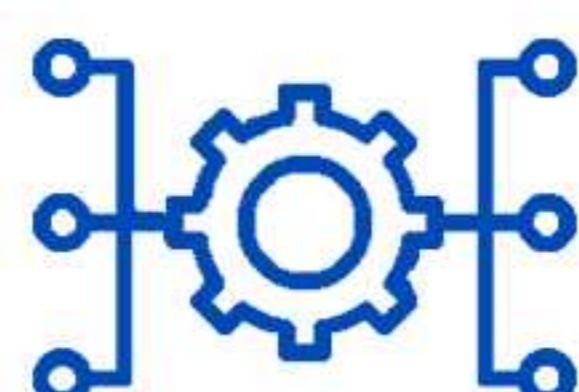
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

Monitoring



24/7 continuous online monitoring

Transmission



4-20mA or RS485, Can upload DCS and PLC

HRP-T2000 -A

FIXED LCD GAS DETECTOR

This industrial-grade stationary gas monitoring equipment, equipped with a high-definition LCD backlit display, enables real-time data visualization, convenient operation, and 24-hour continuous monitoring, making it suitable for industrial scenarios that require on-site data viewing.



PRODUCT SPECIFICATIONS

- Detected Gases: Combustible gas, toxic gas
- Sample method: Diffuse naturally
- Detection Range: PPM、%LEL、%VOL、mg/m³
- Response Time: LEL<30S (T90), Toxic < 60 S
- Setting Method: Button OR Remote Control
- Power: DC 24V ± 4V ≤ 3W
- Output Signal: 4-20MA/RS485
- Transmission Distance: <1000M
- Operating Temperature: -20°C ~ +55°C
- Relative Humidity: ≤ 95% (NON-CONDENSING)
- Explosion-Proof Rating: II 2G Ex db IIC T6 Gb 
- Ingress protection: IP66
- Enclosure Material: Die-cast aluminum
- Dimensions: 195 x 185 x 95 mm
- Product Weight: <1000g
- Connection Thread: M20 x 1.5 or G1/2

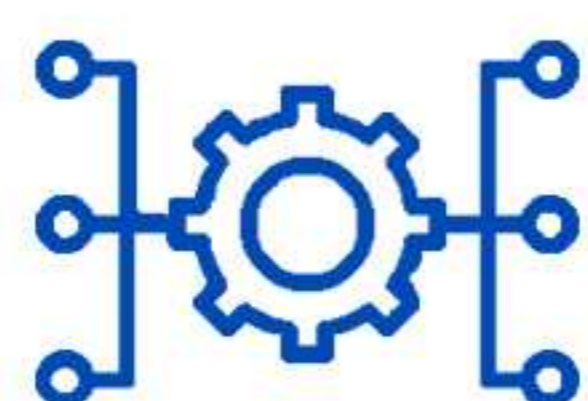
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

Monitoring

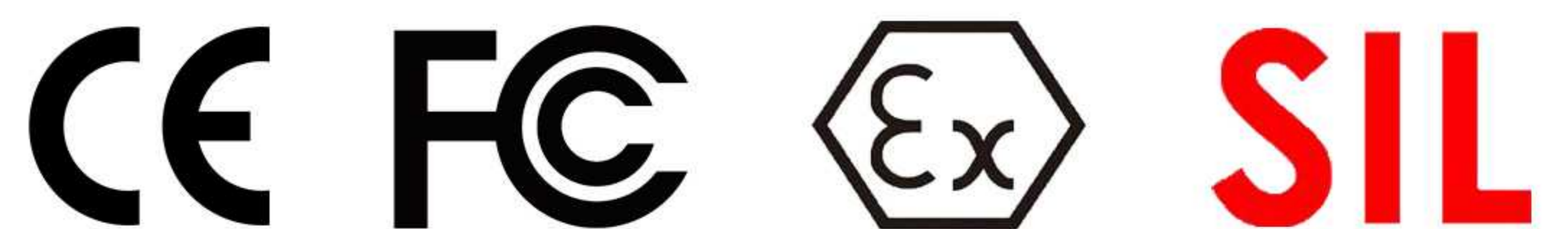


24/7 continuous online monitoring

Alarm Content



Audible and visual alarm, Two level alarm, Relay output




HRP-T2000 -C

FIXED LCD GAS DETECTOR

The HRP-T2000-C fixed LCD gas detector is a safety monitoring device used for continuous online monitoring of the concentration of combustible or toxic gases in the environment. The device employs a high-performance gas sensor, combined with industrial-grade signal processing technology and an LCD display, enabling real-time display, over-limit alarms, and signal output. It is widely used in safety protection systems in industrial settings.



PRODUCT SPECIFICATIONS

- Detected Gases:** Combustible gas, toxic gas
- Sample method:** Diffuse naturally
- Detection Range:** PPM、%LEL、%VOL、mg/m³
- Response Time:** LEL<30S (T90), Toxic < 60 S
- Setting Method:** Button OR Remote Control
- Power:** DC 24V ±4V ≤3W
- Output Signal:** 4-20MA/RS485
- Transmission Distance:** <1000M
- Operating Temperature:** -20°C~+55°C
- Relative Humidity:** ≤ 95% (NON-CONDENSING)
- Explosion-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Ingress protection:** IP66
- Enclosure Material:** Die-cast aluminum
- Dimensions:** 195 x 185 x 95 m
- Product Weight:** <1000g
- Connection Thread:** M20 x 1.5 or G1/2

PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Transmission



4-20mA or RS485, Can upload DCS and PLC

Monitoring



24/7 continuous online monitoring

Adaptability



excellent adaptability, and modular design



HRP-T2000 -D

STAND-ALONE LCD GAS DETECTOR

The HRP-T2000-D is a field-level safety monitoring device that requires no external control system and can operate independently locally. It is designed for gas leak monitoring and audible/visual alarm needs in small and medium-sized industrial sites and single-point risk areas, enabling even non-professional operators to quickly identify risks.



PRODUCT SPECIFICATIONS

- Detected Gases: Combustible gas, toxic gas
- Sample method: Diffuse naturally
- Detection Range: PPM、%LEL、%VOL、mg/m³
- Response Time: LEL<30S (T90), Toxic < 60 S
- Setting Method: Button OR Remote Control
- Power: AC 110V±220V ≤3W
- Output Signal: 4-20MA/RS485
- Transmission Distance: <1000M
- Operating Temperature: -20°C~+55°C
- Relative Humidity: ≤ 95% (NON-CONDENSING)
- Explosin-Proof Rating: II 2G Ex db IIC T6 Gb 
- Ingress protection: IP66
- Enclosure Material: Die-cast aluminum
- Dimensions: 195 x 185 x 95 m
- Product Weight: <1000g
- Connection Thread: M20 x 1.5 or G1/2

PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Alarm Content



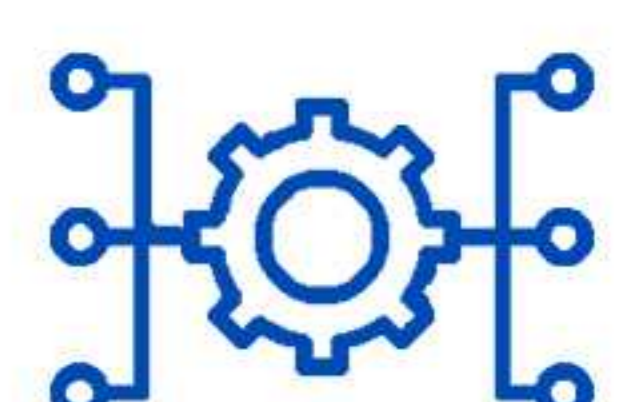
Audible and visual alarm, Two level alarm, Relay output

Transmission



4-20mA or RS485, Can upload DCS and PLC

Adaptability



excellent adaptability, and modular design




HRP-GT-H10

MAGNETIC FIXED GAS DETECTOR

This industrial-grade gas monitoring device integrates low-power LoRa networking, magnetic adsorption installation, and long-lasting battery power. It is designed for scenarios where there is no power supply, no wiring, and flexible deployment is required, enabling centralized monitoring that can be used immediately upon attachment.

PRODUCT SPECIFICATIONS

- Detected Gase:** Combustible gas、toxic gas
- Detection Principle:** Catalytic combustion、infrared、electrochemistry
- Detection Mode:** Diffusion type
- MeasuringRange:** 0-100% LEL、PPM
- Measurement Accuracy:** ≤ 3% FS.
- Response Time:** <30 s
- Alarm Method:** Audible and visual alarm, status indicator
- Display mode:** LCD display
- Power Supply:** DC 3.6V Li-ion
- Output Signal:** LoRa wireless data upload
- Explosin-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Operating Temperature:** -20°C-+55°C
- Relative Humidity:** ≤ 95% (non-condensing)
- Pressure Range:** 86 kPa- 106 kPa
- Product Weight:** 2000g
- Dimenslons:** 205*77*161mm
- Protection Rating:** IP68



PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Transmission



4-20mA or RS485, Can upload DCS and PLC

High precision



High detection accuracy, PPM-level resolution

Alarm Content



Audible and visual alarm, Two level alarm, Relay output



HIREP Gas Alarm Controller



Wirele Range $\leq 1000m$




HRP-GT-H20

FIXED DUST DETECTOR

The industrial-grade online dust monitoring equipment, which adopts laser scattering core technology, is designed for dust-hazardous locations in zones 20/21/22. It enables continuous and accurate 24-hour monitoring of dust concentration, graded early warning, and remote data management, ensuring industrial production safety and occupational health compliance.



PRODUCT SPECIFICATIONS

- Detected Medium:** Dust Particulates
- Detection Principle:** Laser Scattering Principle
- Detection Mode:** Diffusion type
- Measuring Range:** 0-1000 ug/m³, 0-1000 mg/m³
- Relative Standard Deviation:** ≤ 15%
- Response Time:** <30 s(T90)
- Alarm Method:** Audible and visual alarm
- Power Supply:** DC 24V+12V
- Output Signal:** 4-20mA、RS485
- Explosin-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Operating Temperature:** -20°C--+55°C
- Relative Humidity:** ≤ 95% (non-condensing)
- Protection Rating:** IP66
- Dimensions:** 195 x 185 x 95 mm
- Product Weight:** <1000g
- Connection Thread:** M20 x 1.5 or G1/2
- Mounting Method:** Wall-mounted

PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Transmission



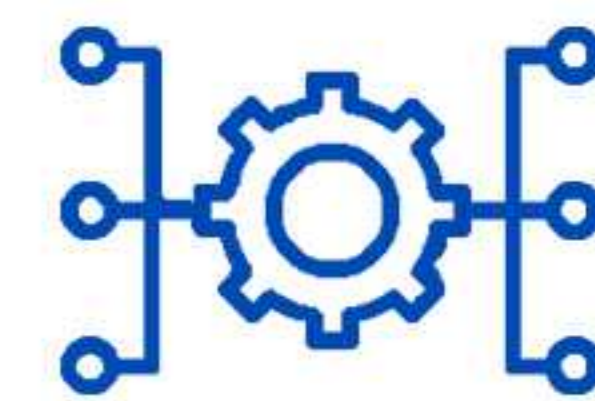
4-20mA or RS485, Can upload DCS and PLC

Monitoring



24/7 continuous online monitoring

Adaptability



excellent adaptability, and modular design




HRP-T2000 -F

FIXED DUAL-GAS DETECTOR

This industrial-grade fixed gas monitoring device features dual independent sensors and is designed specifically for high-risk scenarios where multiple gases coexist. It enables 24-hour synchronous and accurate monitoring, tiered early warning, and centralized management of the two gases, reducing protection costs and deployment difficulties in multi-gas scenarios.

PRODUCT SPECIFICATIONS

- Detect:** Detect the content of 1-4 gases
- Detected Gas Type:** Combustible gas, toxic gas
- Detection Mode:** Diffusion Type
- Measuring Range:** PPM、%LEL、%VOL、mg/m³
- Measurement Accuracy:** ±3%FS.
- Response Time:** COMBUSTIBLE GASES < 30S (T90)
TOXIC GASES < 60 S
- Alarm Method:** Audible and visual alarm
- Power Supply:** DC 24V+12V
- Output Signal:** RS485
- Explosion-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Operating Temperature:** -20°C-+55°C
- Relative Humidity:** ≤ 95% (non-condensing)
- Protection Rating:** IP66
- Dimensions:** 195 x 185 x 95 mm
- Product Weight:** < 1000g
- Connection Thread:** M20 x 1.5 or G1/2
- Mounting Method:** Wall-mounted
- Enclosure Material:** Die-Cast Aluminum



PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Transmission



4-20mA or RS485, Can upload DCS and PLC

High precision



High detection accuracy, PPM-level resolution

Alarm Content



Audible and visual alarm, Two level alarm, Relay output




HRP-T2000 -G

FIXED MULTI-GAS DETECTOR

This industrial-grade fixed gas monitoring equipment integrates multiple independent sensors and is designed for complex and high-risk scenarios where multiple gases coexist. It enables 24-hour synchronous and accurate monitoring, hierarchical early warning, and centralized management of 1-4 gases, reducing the deployment cost and maintenance difficulty of composite gas protection.

PRODUCT SPECIFICATIONS



- Detect:** Detect the content of 1-4 gases
- Detected Gas Type:** Combustible gas, toxic gas
- Detection Mode:** Diffusion Type
- Measuring Range:** PPM、%LEL、%VOL、mg/m³
- Measurement Accuracy:** ±3%FS.
- Response Time:** COMBUSTIBLE GASES < 30S (T90)
TOXIC GASES < 60 S
- Alarm Method:** Audible and visual alarm
- Power Supply:** DC 24V+12V
- Output Signal:** RS485
- Explosion-Proof Rating:** II 2G Ex db IIC T6 Gb 
- Operating Temperature:** -20°C - +55°C
- Relative Humidity:** ≤ 95% (non-condensing)
- Protection Rating:** IP66
- Dimensions:** 195 x 185 x 95 mm
- Product Weight:** < 1000g
- Connection Thread:** M20 x 1.5 or G1/2
- Mounting Method:** Wall-mounted
- Enclosure Material:** Die-Cast Aluminum

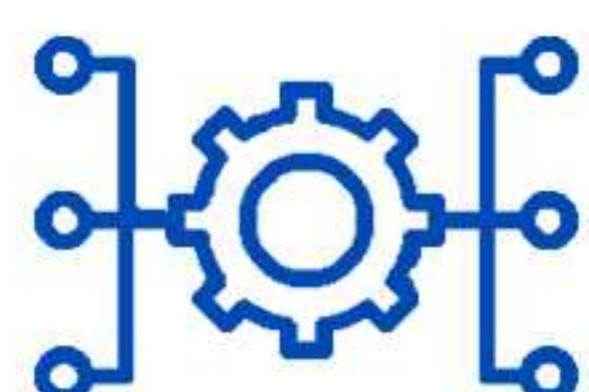
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

Monitoring



24/7 continuous online monitoring

Transmission



4-20mA or RS485, Can upload DCS and PLC



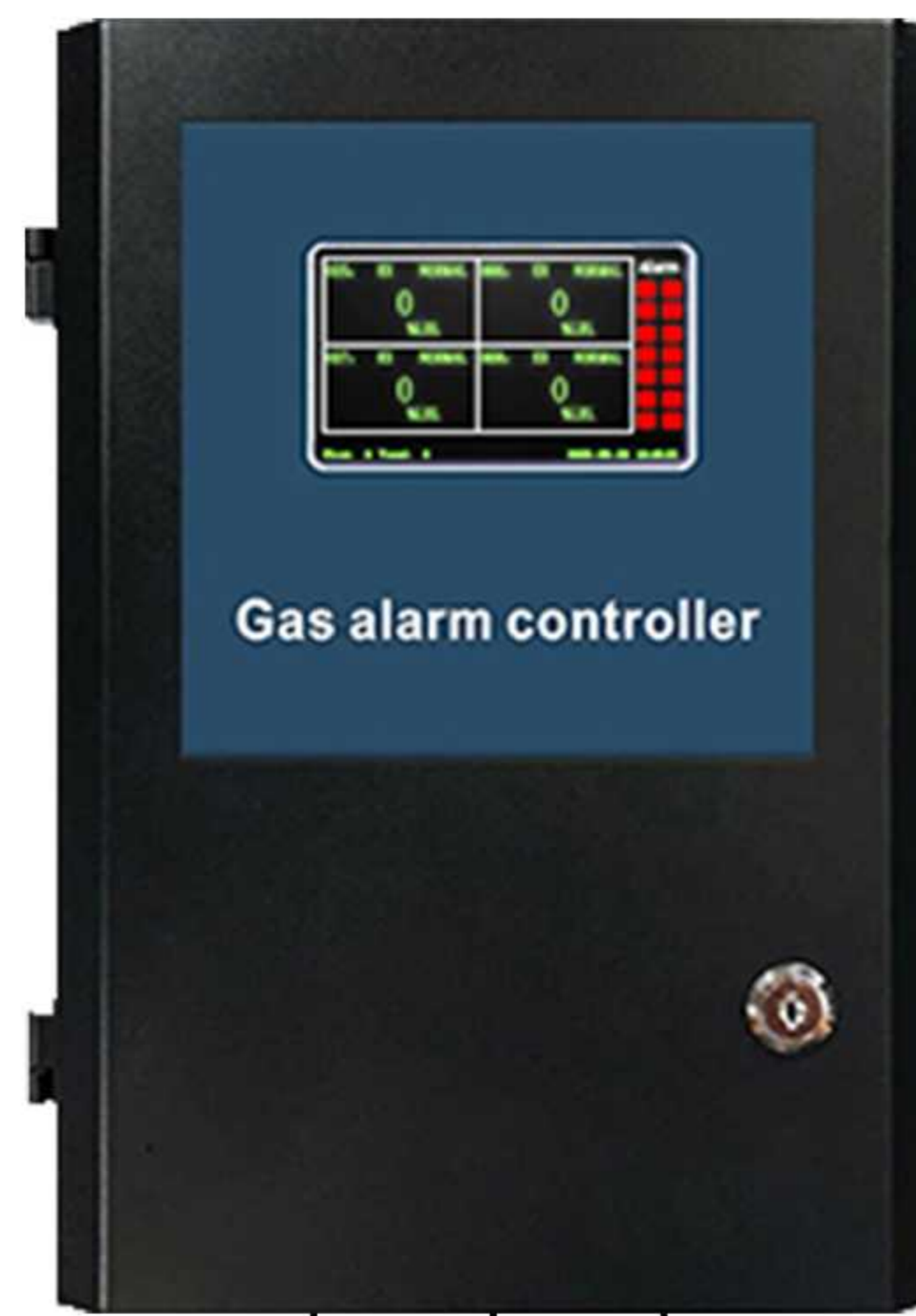
SCHEMATIC DIAGRAM OF DETECTOR INSTALLATION

HIREP Gas Alarm Controller

Two-wire Bus Input



Remote Monitoring Computer (PC)



VENTILATOR

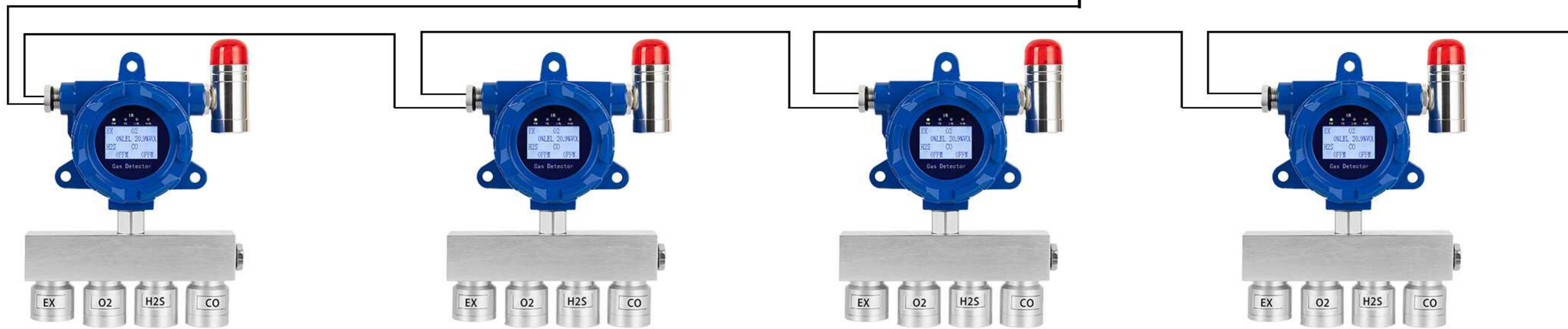


SOLENOID VALVE



ALARM LIGHT

(A FOUR-CORE SHIELDED CABLE)



DETECTOR 1

DETECTOR 2

DETECTOR 3

DETECTOR 4

DETECTOR N

HRP-T2000 -H

FIXED MULTI-GAS DETECTOR

This industrial-grade fixed gas monitoring equipment integrates multiple independent sensors and is designed for complex and high-risk scenarios where multiple gases coexist. It enables 24-hour synchronous and accurate monitoring, hierarchical early warning, and centralized management of 1-4 gases, reducing the deployment cost and maintenance difficulty of composite gas protection.



PRODUCT SPECIFICATIONS

- Detect:** Detect the content of 1-4 gases
- Detected Gas Type:** Combustible gas, toxic gas
- Detection Mode:** Diffusion Type
- Measuring Range:** PPM、%LEL、%VOL、mg/m³
- Measurement Accuracy:** ±3%FS.
- Response Time:** COMBUSTIBLE GASES < 30S (T90)
TOXIC GASES < 60 S
- Alarm Method:** Audible and visual alarm
- Power Supply:** DC 24V+12V
- Output Signal:** RS485
- Explosion-Proofing:** II 2G Ex db IIC T6 Gb
- Operating Temperature:** -20°C--+55°C
- Relative Humidity:** ≤ 95% (non-condensing)
- Protection Rating:** IP66
- Dimensions:** 195 x 185 x 95 mm
- Product Weight:** < 1000g
- Connection Thread:** M20 x 1.5 or G1/2
- Mounting Method:** Wall-mounted
- Enclosure Material:** Die-Cast Aluminum

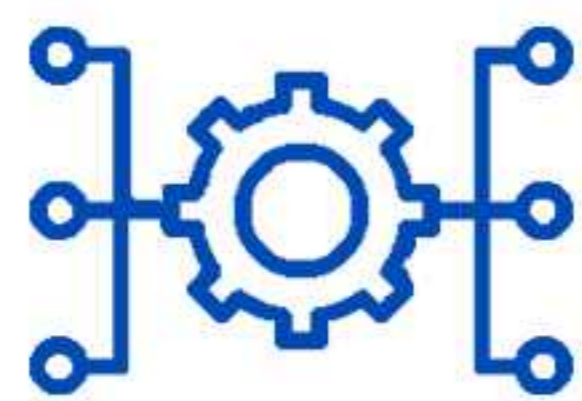
PRODUCT FEATURES

Protection



IP66 protection rating suitable for harsh industrial environments

Adaptability



excellent adaptability, and modular design

High precision



High detection accuracy, PPM-level resolution

Alarm Content

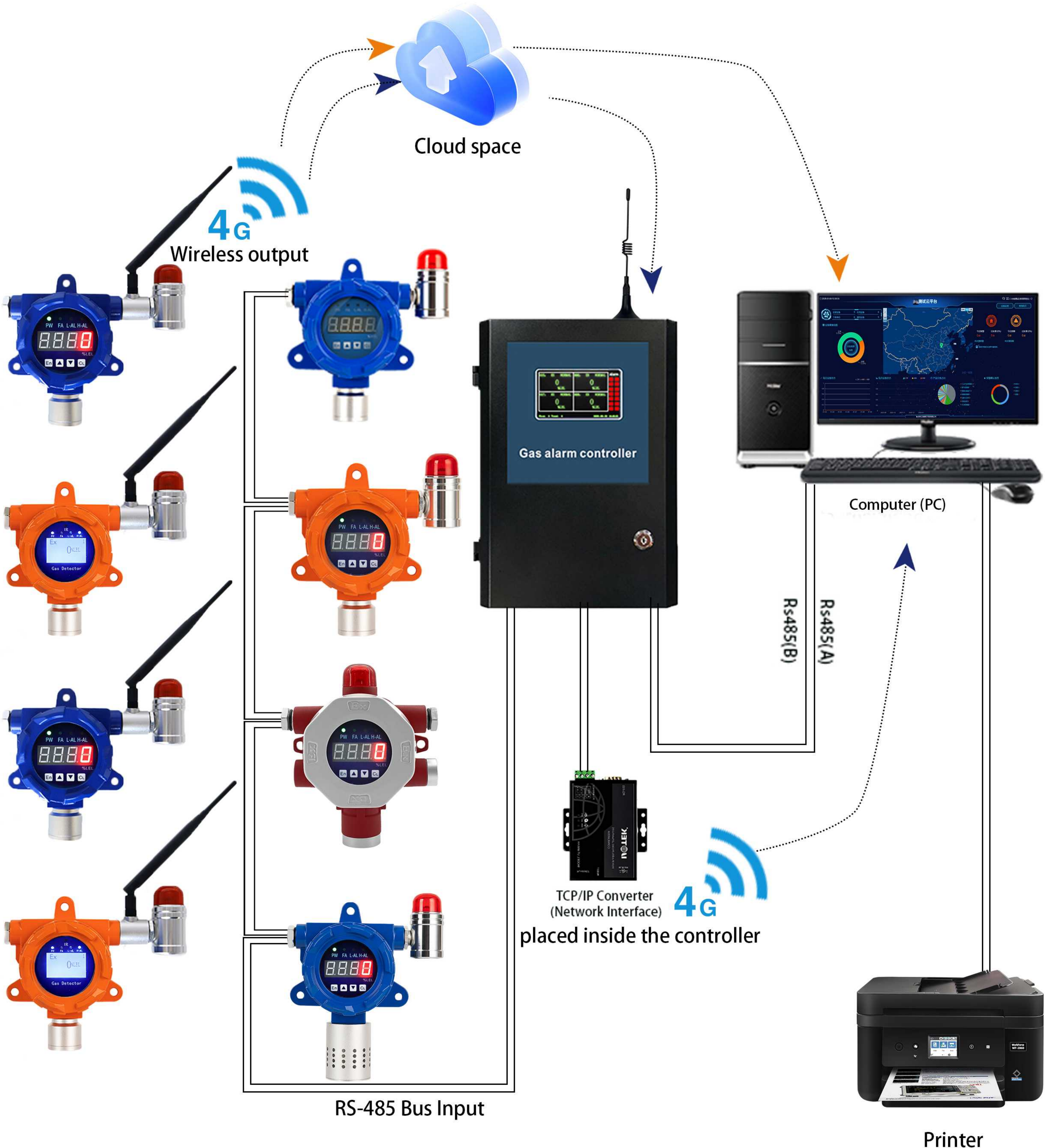


Audible and visual alarm, Two level alarm, Relay output



GAS DETECTION SYSTEM SOLUTION DIAGRAM

The detector can directly upload data to the cloud platform via 4G signal, allowing users to view real-time data on their mobile phones or computers. Alternatively, data can be uploaded to the alarm controller via a wired connection (4–20mA or RS485) and then to the cloud platform. Cloud data can be viewed in real-time via an app or computer webpage.



COMMON FLAMMABLE GASES

序号	名称	化学式	空气中爆炸限 (体积分数) %		序号	名称	化学式	空气中爆炸限 (体积分数) %	
			下限					下限	
1	乙烷	C ₂ H ₆	3.0		49	环己烷	CH ₂ (CH ₂) ₄ CH ₂	1.2	
2	乙醇	C ₂ H ₅ OH	3.4		50	环己醇	CH ₂ (CH ₂) ₃ CHOHCH ₂	1.2	
3	乙烯	C ₂ H ₄	2.8		51	环己酮	CH ₂ (CH ₂) ₃ COCH ₂	2.8	
4	氢	H ₂	4.0		52	环丙烷	CH ₂ CH ₂ CH ₂	2.4	
5	甲烷	CH ₄	5.0		53	萘烷	C ₁₀ H ₁₈	0.7	
6	甲醇	CH ₃ OH	5.5		54	环己烯	CH ₂ (CH ₂) ₃ CHCHCH ₂	1.2	
7	乙炔	C ₂ H ₂	2.5		55	双丙酮醇	(CH ₃) ₂ COHCH ₂ COCH ₃	1.8	
8	丙醇	C ₃ H ₇ OH	2.5		56	二丁醚	C ₄ H ₉ OC ₄ H ₉	0.9	
9	丙烷	C ₃ H ₈	2.2		57	二氯(代)苯	(C ₆ H ₄)Cl ₂	2.2	
10	丙烯	C ₃ H ₆	2.4		58	二乙(基)胺	(C ₂ H ₅) ₂ NH	1.7	
11	甲苯	C ₆ H ₅ CH ₃	1.2		59	二甲胺	(CH ₃) ₂ NH	2.8	
12	二甲苯	C ₆ H ₄ (CH ₃) ₂	1.0		60	二甲苯胺	(CH ₃) ₂ C ₆ H ₃ NH ₂	1.2	
13	二氯乙烷	C ₂ H ₄ Cl ₂	5.6		61	二氧杂环己烷	(CH ₂) ₄ O ₂	1.9	
14	二氯乙烯	C ₂ H ₂ Cl ₂	6.5		62	环氧丙烷	OCH ₂ CH ₂ CH ₂	1.9	
15	二氯丙烷	C ₃ H ₆ Cl ₂	3.4		63	乙基乙醚	C ₂ H ₅ OC ₂ H ₅	1.8	
16	乙醚	C ₂ H ₅ OC ₂ H ₅	1.7		64	乙酸乙酯	CH ₃ COOC ₂ H ₅	2.1	
17	二甲醚	CH ₃ OCH ₃	3.0		65	丙烯酸乙酯	CH ₂ CHCO ₂ C ₂ H ₅	1.7	
18	甲醛	CH ₂ OCH	4.0		66	苯乙烯	C ₆ H ₅ C ₂ H ₃	1.0	
19	乙酸	CH ₃ COOH	4.0		67	环氧乙烷	CH ₂ CH ₂ O	2.6	
20	丙酮	CH ₃ COCH ₃	2.3		68	乙硫醇	C ₂ H ₅ SH	2.3	
21	乙酰丙酮	(CH ₃ CO) ₂ CH ₂	1.7		69	乙基甲硫醚	C ₂ H ₅ SCH ₃	2.0	
22	乙酰氯	CH ₃ COCl	5.0		70	乙基甲基酮	C ₃ H ₇ COCH ₃	1.8	
23	丙烯腈	CH ₂ CHCN	2.8		71	乙胺	C ₂ H ₅ NH ₂	3.5	
24	烯丙基氯	CH ₂ CHCH ₂ Cl	3.2		72	轻油	—	0.9	
25	甲基乙炔	CH ₃ CCH	1.7		73	煤油	—	0.7	
26	乙酸戊酯	CH ₃ CO ₂ C ₅ H ₁₁	1.0		74	松节油	—	1.8	
27	苯胺	C ₆ H ₅ NH ₂	1.2		75	硝基苯	C ₆ H ₅ NO ₂	1.8	
28	苯	C ₆ H ₆	1.2		76	硝基甲烷	CH ₃ NO ₂	7.1	
29	苯甲醛	C ₆ H ₅ CHO	1.4		77	苯酚	C ₆ H ₅ OH	1.3	
30	苄基氯	C ₆ H ₅ CH ₂ Cl	1.1		78	苯乙炔	C ₆ H ₅ C ₂ H	1.1	
31	溴丁烷	C ₆ H ₅ CH ₂ Br	2.5		79	甲乙苯	C ₆ H ₄ C ₂ H ₅	1.0	
32	溴乙烷	CH ₃ CH ₂ Br	6.7		80	甲酸乙酯	HCOOC ₂ H ₅	2.7	
33	丁二烯	CH ₂ CHCHCH ₂	2.0		81	对二恶烷	C ₄ H ₈ O ₂	2.0	
34	丁烷	C ₄ H ₁₀	1.9		82	异丁烷	i-C ₄ H ₁₀	1.8	
35	丁醇	C ₄ H ₉ OH	1.8		83	萘	C ₁₀ H ₈	1.9	
36	丁烯	C ₄ H ₈	1.6		84	壬烷	CH ₃ (CH ₂) ₇ CH ₃	0.7	
37	丁醛	C ₃ H ₇ CHO	1.4		85	壬醇	CH ₃ (CH ₂) ₇ CH ₂ OH	0.8	
38	丁酸丁酯	C ₃ H ₇ COOC ₄ H ₉	1.2		86	仲醛	C ₆ H ₁₀ O	1.2	
39	丁基甲基酮	C ₄ H ₉ COCH ₃	1.2		87	戊烷	C ₅ H ₁₂	1.4	
40	二硫化碳	CS ₂	1.0		88	戊醇	C ₅ H ₁₁ OH	1.2	
41	氯苯	C ₆ H ₅ Cl	1.3		89	丙胺	C ₃ H ₇ NH ₂	2.0	
42	氯丁烷	C ₄ H ₉ CH ₂ Cl	1.8		90	丙基甲基酮	C ₄ H ₉ COCH ₃	1.5	
43	氯乙烷	CH ₃ CH ₂ Cl	3.8		91	吡啶	C ₅ H ₅ N	1.7	
44	氯乙烯	CH ₂ CHCl	3.8		92	四氢呋喃	C ₄ H ₈ O	2.0	
45	氯甲烷	CH ₃ Cl	8.1		93	四氢糠醇	C ₅ H ₁₀ O ₂	1.5	
46	2-氯丙烷	CH ₃ CHClCH ₃	2.6		94	三乙胺	(C ₂ H ₅) ₃ N	1.2	
47	甲(苯)酚	C ₆ H ₄ OH	1.1		95	三甲胺	(CH ₃) ₃ N	2.0	
48	环丁烷	CH ₂ CH ₂ CH ₂ CH ₂	1.8		96	三氧杂环己烷	(CH ₂ O) ₃	3.0	

COMMON TOXIC AND HARMFUL GASES

序号	名称	化学式	测量范围	可选量程	分辨率	低报	高报
1	可燃气	EX	0-100%LEL	0-100% vol (红外)	1%LEL/1%vol	20	50
2	甲烷	CH ₄	0-100%LEL	0-100% vol (红外)	1%LEL/1%vol	20	50
3	氧气	O ₂	0-30%vol	0-100%vol	0.1%vol	19.5%	23.5% vol
4	硫化氢	H ₂ S	0-100ppm	0-50/200/1000ppm	0.1/1ppm	10	20 ppm
5	一氧化碳	CO	0-1000ppm	0-500/2000/5000ppm	1ppm	50	150 ppm
6	二氧化碳	CO ₂	0-5000ppm	0-1%/5%/10% vol	1ppm/0.1%vol	1000	2000
7	一氧化氮	NO	0-250ppm	0-500/1000ppm	1ppm	50	150 ppm
8	二氧化氮	NO ₂	0-20ppm	0-50/1000ppm	0.1ppm	5	10 ppm
9	二氧化硫	SO ₂	0-20ppm	0-50/1000ppm	0.1/1ppm	5	10 ppm
10	氯气	CL ₂	0-50ppm	0-100/1000ppm	0.1ppm	5	10 ppm
11	氢气	H ₂	0-1000ppm	0-5000ppm	1ppm	50	150 ppm
12	氨气	NH ₃	0-100ppm	0-50/500/1000ppm	0.1/1ppm	20	50 ppm
13	磷化氢	PH ₃	0-20ppm	0-20/1000ppm	0.1ppm	5	10 ppm
14	氯化氢	HCl	0-50ppm	0-20/500/1000ppm	0.001/0.1ppm	5	10 ppm
15	二氧化氯	CLO ₂	0-50ppm	0-10/100ppm	0.1ppm	5	10 ppm
16	氰化氢	HCN	0-50ppm	0-100ppm	0.1/0.01ppm	10	20 ppm
17	环氧乙烷	C ₂ H ₄ O	0-100ppm	0-100ppm	1/0.1ppm	20	50 ppm
18	臭氧	O ₃	0-20ppm	0-20/100ppm	0.1ppm	2	5 ppm
19	甲醛	CH ₂ O	0-10ppm	0-50/100ppm	1/0.1ppm	2	5 ppm
20	氟化氢	HF	0-10ppm	0-1/10/50/100ppm	0.01/0.1ppm	2	5 ppm
21	二甲苯 / 甲苯	C ₆ H ₄ (CH ₃) ₂	0-40ppm	0-1/10/50/100ppm	0.01/0.1ppm	5	10 ppm
22	苯	C ₆ H ₆	0-100ppm	50/500/1000ppm	1PPM/0.1ppm	200	500ppm
23	甲醇	CH ₃ OH	0-100ppm	20/50ppm	1ppm	2	10 ppm
24	乙醇	C ₂ H ₅ OH	0-100ppm	20/50ppm	1ppm	5	10 ppm
25	乙酸乙酯	C ₄ H ₈ O ₂	0-100ppm	10/20/50ppm	1ppm	200	500ppm
26	甲硫醇	CH ₃ SH	0-100ppm	20/50ppm	1ppm	500	800ppm
27	氯乙烯	C ₂ H ₃ Cl	0-10ppm	20/50/100ppm	1ppm	20	50ppm
28	四氯乙烯	C ₂ Cl ₄	0-10ppm	20/50ppm	1ppm	20	50ppm
29	硝基苯	C ₆ H ₅ NO ₂	0-100ppm	20/50ppm	1ppm	2.4	4.8ppm
30	苯胺	C ₆ H ₅ NH ₂	0-10ppm	20/50ppm	1ppm	200	500ppm
31	二硫化碳	CS ₂	0-10ppm	20/50/100ppm	1ppm	200	500ppm
32	氯仿	CHCl ₃	0-20ppm	10/50/100ppm	1ppm	200	500ppm
33	乙醚	C ₄ H ₁₀ O	0-20ppm	10/50ppm	1ppm	200	500ppm
34	乙醛	CH ₃ CHO	0-20ppm	10/20/50ppm	1ppm	20	50ppm
35	砷化氢	AsH ₃	0-10ppm	1/20ppm	1PPM/0.1ppm	200	500ppm
36	丙烯腈	C ₃ H ₃ N	0-100ppm	10/20/50ppm	1ppm	5	10ppm
37	溴化氢	HBr	0-100ppm	10/20/50ppm	1ppm	200	500ppm
38	苯乙烯	C ₈ H ₈	0-100ppm	10/20/50ppm	1ppm	20	50ppm



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