



PRODUCT CATALOG



ODM OEM



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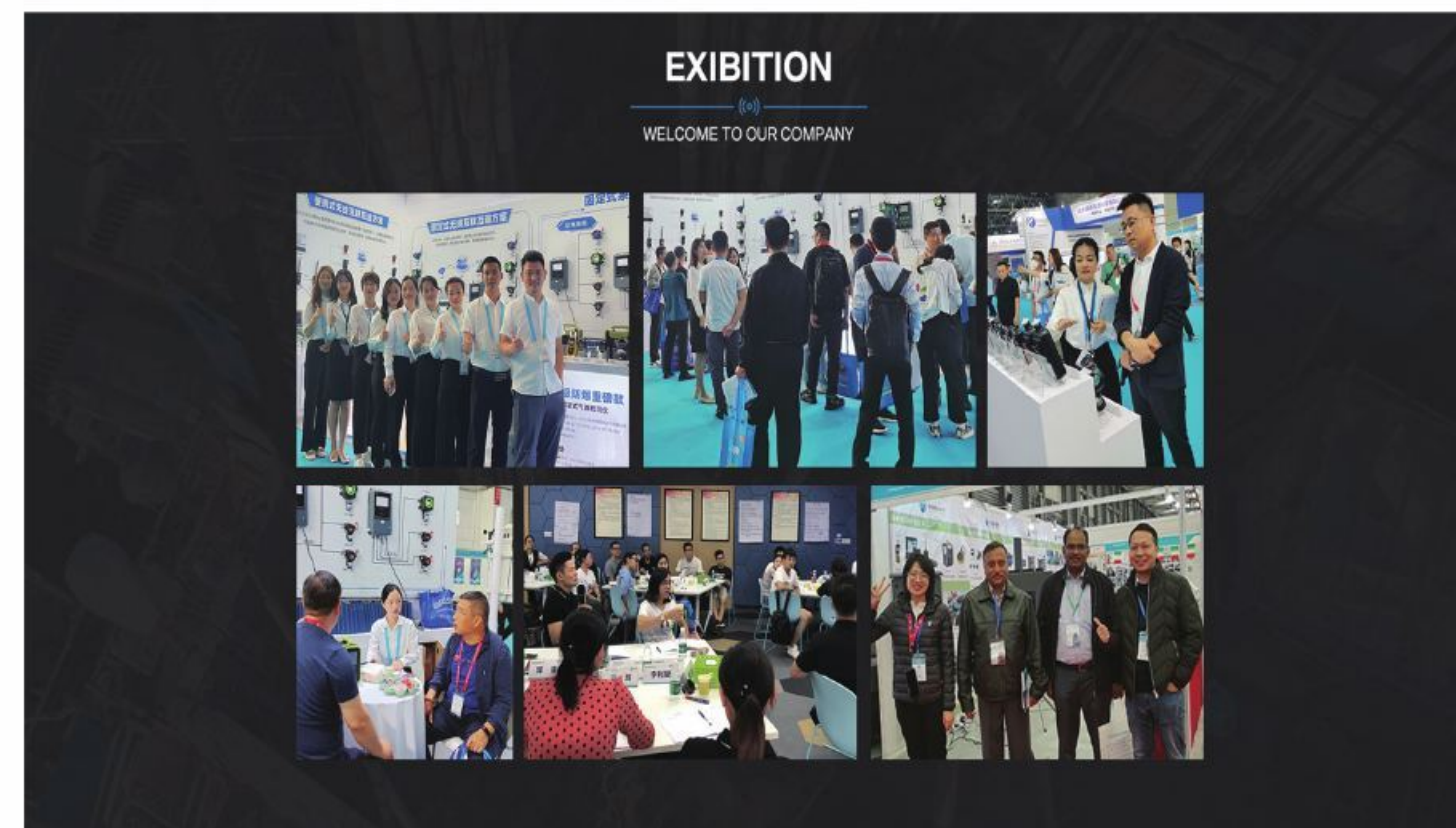
**Ningxia Noke Yinfeng
Intelligent Technology Co., Ltd**

Company Profile

Ningxia Nuoke Yinfeng Intelligent And Technology Co., Ltd is located in Ningxia, China's chemical industry base. We have 23 years of experience in the research and development, production, sales, service and foreign trade export of gas detection instruments.

The company has an independent R&D base of about 1,000 square meters, 15 professional engineers, 4 production lines and a large number of production and service employees. At the same time, we have passed many certifications such as CE, RoHS, SIL, FCC, IP67, ISO9001, etc.

Our company's main products include portable and fixed gas detectors, gas alarm controllers, wireless gas detection detector, GDS system, DCS system, toxic and harmful gas detectors, flammable and explosive gas detectors, pump-type gas detectors, etc. Each product must be tested and calibrated before leaving the factory, and a factory inspection report is issued. Our professional technical personnel, qualified workers, advanced and strict quality management system provide stable products and services. Our products are widely used in environmental protection, petroleum, chemical industry, shipbuilding, electric power, papermaking, metallurgy, pharmaceuticals, water treatment, food processing, coal and many other fields. Our products are sold overseas, not only supporting retail, wholesale or agency cooperation models, but also providing OEM/ODM/OBM services.



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NKYF-B30 portable gas detector



Parameter:

Detection of gas:	according to user requirements (can measure a single gas, can also measure multiple gases at the same time)	Power supply	3.7V lithium battery
Alarm mode	sound and light alarm	Continuous work	>8h (standard charging state)
Alarm setting value	according to different gases, the settings are different	Operating environment	temperature -20° C ~ 50° C, humidity <90%RH
Response time	<30s	Dimensions	11.160 × 77 × 33mm
Recovery time	<30s	Explosion-proof mark	Exia II CT ₃
Explosion-proof form	intrinsically safe	Scope of detection	Any gas combination in the back list

Features:

Detection gas: hydrogen sulfide 0–100ppm, oxygen 0–30%VOL, carbon monoxide 0–500ppm

- Full English menu, easy to operate
- Long continuous working time
- With undervoltage indication function
- With fault indication function
- With self-test function
- With backlight
- Beautiful appearance, easy to hold



It can be widely used in natural gas, petrochemical, metallurgical coking, electric power, etc. for the detection of production, use and storage sites containing a large amount of gas to be measured, and is also suitable for the detection of such gas transmission and distribution pipelines. An essential safety instrument for personnel.



Portable pump suction 4 in 1 gas detector



Parameter

Explosion-proof certificate	CNEx19.2332	Detection type	carbon film self-priming
Detection principle	electrochemical/catalytic/thermal conductivity/infrared	Detection range	any combination of 4 gases in the list
Detection accuracy	0.01/0.1/1PPM	Applicable temperature	-20°C~+50°C (-4°F~122°F)
Humidity	0~95% R.H non-condensing	Sound alarm	LED light flashes >90 decibels
Display	backlight display	Battery	Large capacity 2000mAh rechargeable lithium battery
Continuous use	>8 hours	Charging time	<6 hours
Shell	flame retardant plastic	Protection class	IP65
Response time	(T90): 10 seconds	Certification mark	Ex ib IIB T3 Gb
Size	176*64*32mm	Weight	580g

产品特点

- ★ Upload computer function (optional)
- ★ 6000 alarm record query function
- ★ Built-in high-power suction pump
- ★ Automatic collision and manual calibration platform
- ★ Simple user interface, large screen English interface operation
- ★ Charging power display, low potential warning indication
- ★ Simple storage of calibration results, and calibration tests of its functional departments
- ★ Can be connected to the computer to view the data through the data cable
- ★ Sturdy structure, exquisitely made of flame-retardant ABS plastic
- ★ Simple operation, ergonomic design
- ★ Sound and light, visual and vibration alarm
- ★ Intelligent sensor calibration
- ★ Sturdy structure and easy maintenance





Portable pump-type single gas detector



Parameter

Explosion-proof certificate	CNEx19.2332	Detection type	carbon film self-priming
Detection principle	electrochemical/catalytic/thermal conductivity/infrared	Detection range	any combination of 4 gases in the list
Detection accuracy	0.01/0.1/1PPM	Applicable temperature	-20℃~+50℃(-4℃F~122° F)
Humidity	0~95% R.H non-condensing	Sound alarm	LED light flashes >90 decibels
Display	backlight display	Battery	Large capacity 2000mA rechargeable lithium battery
Continuous use	>8 hours	Charging time	<3 hours
Shell	flame retardant plastic	Protection class	IP65
Response time	(T90): 10 seconds	Certification mark	Ex ib IIB T3 Gb
Size	176*64*32mm	Weight	580g

Features

- ★ Upload computer function (optional)
- ★ 6000 alarm record query function
- ★ Built-in high-power suction pump
- ★ Automatic collision and manual calibration platform
- ★ Simple user interface, large screen English interface operation
- ★ Charging power display, low potential warning indication
- ★ Simple storage of calibration results, and calibration tests of its functional departments
- ★ Can be connected to the computer to view the data through the data cable
- ★ Sturdy structure, exquisitely made of flame-retardant ABS plastic
- ★ Simple operation, ergonomic design
- ★ Sound and light, visual and vibration alarm
- ★ Intelligent sensor calibration
- ★ Sturdy structure and easy maintenance





NKYF-B40 Portable 4-in-1 Gas Detector



FIRST	SECOND	THIRD	FOURTH
High Sensitive Sensor	data storage function	triple alarm	Lithium battery powered
The large area of the gas sensing port can fully connect to the face and the gas measurement result is accurate	Automatically store alarm records, which can be viewed or deleted	When the detected gas is higher than the specified concentration, there will be three alarms: sound, light and vibration	Built-in 2000MAH large-capacity lithium battery, standby time is more than 8 hours

Parameter

Waterproof Dustproof
Explosion-proof

Large screen display
backlighting

Detection principle	combustible type (chemical combustion type), poison detection type (electrochemical type)
Detection gas	combustible, oxygen, hydrogen sulfide, carbon monoxide
Sampling method	natural diffusion
Detection range	combustible (0-100%LEL): oxygen (0-30%VOL): hydrogen sulfide (0-100ppm): carbon monoxide (0-1000ppm)
Resolution	flammable 1%LEL/-carbon dioxide 1PPM/hydrogen sulfide 1PPM/oxygen 0.1%VOL
Measurement error	± 3% of full scale
Response time	T90<10S
Display mode	LCD digital display
Sensor life	>2 years, using imported sensors
Low and high reporting range	combustible (low 20%LEL, high 50%LEL) oxygen (low 18.5%VOL, high 23.5%VOL) hydrogen sulfide (low 15ppm, high 35ppm) carbon monoxide (low 50ppm, high 150ppm) can be customized

Ambient temperature	-40℃~65℃
Working humidity	≤90%RH
Protection class	IP67
Explosion-proof grade	EX ia IICt6;
Working voltage	3.7V ion rechargeable battery
Alarm	sound, light, vibration
Charging and use time	charging <6h; continuous use 8-14h
Machin weight	580g
Shell	plastic shell
Drop test	2m

Features

1. The natural diffusion method is used to detect gas, and the values of 4 kinds of gases can be displayed at the same time according to the demand;
2. The sensitive element adopts high-quality gas sensor, which has excellent sensitivity and excellent repeatability;
3. The instrument has 3 buttons, an LCD screen (intuitive display content, high definition) and related alarm devices (alarm lights, buzzer and vibration) and has a Micro USB interface, which can be charged;
4. The instrument itself has a real-time storage function, which can record the alarm status and time in real time;
5. The small and beautiful portable design is convenient for mobile use. The detector shell is made of PC, which has high strength, temperature resistance, corrosion resistance, and good hand feeling.

Packing

Packing list: 1 tester, 1 charger, 1 calibration cover, 1 copy of certificate, manual, and factory inspection report.

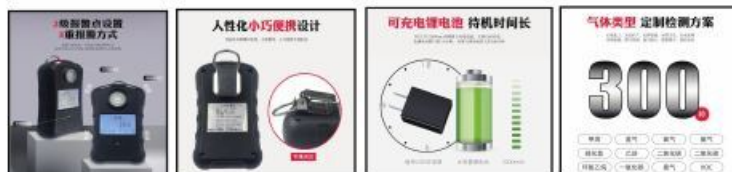
Aluminum box size: 200X125X70mm

Single product weight: 850g





NKYF-B10 Portable Single Gas Detector



Parameter

Detection principle	flammable, poisonous	Working hours	6h-8h
Detect gas	detect one type at a time, the SENSER can be replaced to detect different gases	Charging time	6h-8h
Sampling method	natural diffusion	Sensor life	2 years
Detection range	(0-100%) LEL; 0....PPM; 0...VOL	Alarm	sound, light, vibration
Resolution	1%LEL; 1PPM/0.1PPM	Alarm sound level	80dB
Measurement error	± 3%FS	Sampling method	diffusion
Response time	T90s ≤ 10S	Storage capacity	1000 items
Ambient temperature	-40℃-65℃	Display mode	LCD digital display
Working humidity	≤90%RH	Product weigh	200g
Protection class	IP67	Product size	115X70X35mm
Explosion-proof level	EX ia IICT6;	Shell	PC
Working voltage	DC3.7V (2000mAh)	Drop test	2m

Features

Micro USB interface, rechargeable; the instrument itself has a real-time storage function, which can record the alarm status and time in real time.

When the index of a certain gas to be detected exceeds or falls below the set standard, the instrument will automatically sound and light vibration alarm, and the alarm can be canceled manually.

High strength, temperature resistance, corrosion resistance

Package Information

Packing list: 1 detector, 1 charger, 1 calibration, 1 manual

Aluminum shell size: 200X125X70mm

Single product weight: 800g

10PCS/CNT

G.W: 9.5KGS

N.W: 8.0KGS

MEAS:35X33X25C





Portable O2 gas detector (rechargeable type)



Parameter

Explosion-proof certificate	CNEx19.2332	Detection type	Diffusion
Detection principle	electrochemical/catalytic/ thermal conductivity/infrared	Detection range	0-30%vol
Detection accuracy	0.01/0.1/1PPM	Applicable temperature	-20° C~55° C
Humidity	0~95% R.H non-condensing	Sound alarm	LED light flashes >90 decibels
Display	large-screen LCD display real-time data	Battery	Large capacity 2000mA rechargeable lithium battery
Continuous use	Toxic gas<200h	Charging time	<2 hours
Shell	flame retardant plastic	Protection class	IP67
Response time	(T90): 10 seconds	Certification mark	ExibIICT6
Size	176*64*32mm	Weight	580g

Features

- ★ Ultra-wide viewing angle graphic LCD display
- ★ High and low alarm value adjustable
- ★ Two-level triple alarm (sound and light, vibration)
- ★ Automatic calibration function at startup to reduce detection error
- ★ Anti-slip and anti-fall design, strong and durable



Portable EX/LPG gas detector (rechargeable type)



Parameter

Explosion-proof certificate	CNEx19.2332	Detection type	Diffusion
Detection principle	electrochemical/catalytic/ thermal conductivity/infrared	Detection range	0–30%vol
Detection accuracy	± 2% LEL	Applicable temperature	–20° C~55° C
Humidity	0–95% R.H non-condensing	Sound alarm	LED light flashes >90 decibels
Display	large-screen LCD display real-time data	Battery	Large capacity 2000mA rechargeable lithium battery
Continuous use	Toxic gas<200h	Charging time	<2 hours
Shell	flame retardant plastic	Protection class	IP67
Response time	(T90): 10 seconds	Certification mark	ExibIICT6
Size	176*64*32mm	Weight	580g

Features

- ★ Ultra-wide viewing angle graphic LCD display
- ★ High and low alarm value adjustable
- ★ Two-level triple alarm (sound and light, vibration)
- ★ Automatic calibration function at startup to reduce detection error
- ★ Anti-slip and anti-fall design, strong and durable



Portable CO gas detector (rechargeable type)



Parameter

Explosion-proof certificate	CNEx19.2332	Detection type	Diffusion
Detection principle	electrochemical	Detection range	0–100ppm
Detection accuracy	0.01/0.1/1PPM	Applicable temperature	–20° C~55° C
Humidity	0~95% R.H non-condensing	Sound alarm	LED light flashes >90 decibels
Display	large-screen LCD display real-time data	Battery	Large capacity 2000mA rechargeable lithium battery
Continuous use	Toxic gas<200h	Charging time	<2 hours
Shell	flame retardant plastic	Protection class	IP67
Response time	(T90): 10 seconds	Certification mark	ExibIICT6
Size	176*64*32mm	Weight	580g

Features

- ★ Ultra-wide viewing angle graphic LCD display
- ★ High and low alarm value adjustable
- ★ Two-level triple alarm (sound and light, vibration)
- ★ Automatic calibration function at startup to reduce detection error
- ★ Anti-slip and anti-fall design, strong and durable



NKYF-B60 multi-gas detector



Product advantages:

- ◆ Advanced sensor smart module technology
- ◆ Please refer to the selection table on the attached page for the type of testing specifications
- ◆ Adopt 2.4-inch high-definition full-color viewing angle IPS industrial screen
- ◆ Display various technical indicators and gas concentration values
- ◆ Asian ergonomic design, feel comfortable
- ◆ The shell adopts high IP encapsulation process
- ◆ High performance imported sensor
- ◆ It can detect 6 kinds of gases at the same time,
- ◆ With data storage function, it can store 3000 pieces of alarm record data
- ◆ Dust-proof, explosion-proof and waterproof design
- ◆ Intrinsically safe circuit design, anti-static and electromagnetic interference
- ◆ The setting time and alarm function can be adjusted freely

Parameter

Detection principle	natural diffusion or (special cassette self-priming pump)	Direct reading	instantaneous value
Sensors	Electrochemical/Catalytic/Infrared	Explosion-proof mark	Ex ib IIB T3 Gb
Instrument accuracy	3%FS	Explosion-proof number	CNEx18.4828X
Interface definition	U3□(USB)	Protection class	IP67
Battery	3.7V, 2000mA lithium-ion rechargeable battery	Working temperature	-20℃--60℃
Working time	flammable for about 8 hours, toxic for about 200 hours	Meter size	length x width x thickness 155 x 90 x 36 (mm)
Display	color liquid crystal display	Working humidity	5-90%RH
Alarm	three-level alarm of sound, light and vibration	Instrument weight	500g

Note: Any combination of 6 gases in the latter list

Features

- Beautiful appearance, easy to hold
- Digital display, intuitive and accurate
- Long continuous working time
- With under voltage sound and light indication function

The instrument can be widely used in gas, petroleum, chemical, metallurgical coking and other industries for gas or toxic gas production and on-site detection, and is also suitable for gas storage and distribution detection. It is the best choice for safety management personnel and inspection and maintenance personnel in related industries. Essential safety equipment.





NKYF-B316 pump suction gas detector



Parameter

Sampling mode	Pump type	Detection principle	electrochemical
Detect Gas	H ₂ S:0-100ppm, NH ₃ :0-100ppm, O ₂ :0-30VOL, CO:0-100ppm, EX:0-100LEL	Working time	≤20s
Measurement error	± 5% FS	Indicates how	LCD display real-time data and system status, light-emitting diode, sound, vibration indicator alarm, fault and undervoltage
Environment temperature	Environment temperature: (-20~50)°C Environment humidity: <95%RH No condensation	Power	DC3.7 V lithium battery; 2000mAh
Charging time	≤3 hours	Working hours	≥8H continuous (non-alarm standby state)
Explosion proof grade	Ex ib IIB T3 Gb	Explosion proof number	CNex18.4929X
Ingress protection	IP67	Size	175x76x48(mm)
Weight	450g	Note: Any combination of 4 gases in the latter list	

Features

- 2.4 inch high definition full-color view IPS industrial screen.
- Technical indicators and gas concentration values display.
- Shell adopts high IP encapsulation technology.
- Can detect 1-4 gases at the same time, sensors can be assembled as requested.
- 5-gas detector can be customized.
- Data storage function and can store 5000 pieces of data.
- Dust-proof, explosion-proof and waterproof design.
- Intrinsically safe circuit design, antistatic and electromagnetic interference
- Built-in high-power carbon film self-priming pump, quick response time
- Setting time and alarm function can be adjusted freely



Portable gas leak detectors Instruction manual



Product Parameters



S316 pump suction gas detector	
Detect Gas	H ₂ S:0–100ppm, NH ₃ :0–100ppm, O ₂ :0–30VOL, CO:0–100ppm, EX:0–100LEL
Detection principle	electrochemical
Resolution	1ppm
Sampling mode	Pump type
Measurement error	≤ ± 5%FS
Working time	≤20s continuous(Non-alarm standby state)
Environment temperature	(–20~50)℃
Environment humidity	< 95%RH No condensation
Power	DC3.7 V lithium battery; 2000mAh
Explosion proof grade	Ex ib IIB T6Gb
Explosion proof number	CNEx19.2399X
Ingress protection	IP67
Weight	450g
Size	(175 × 76 × 48)mm

Product features

- 2.4 inch high definition full-color view IPS industrial screen
- Technical indicators and gas concentration values display
- Shell adopts high IP encapsulation technology
- Can detect 1–4 gases at the same time, sensors can be assembled a requested
- 5-gas detector can be customized
- Data storage function and can store 5000 pieces of data.
- Dust-proof, explosion-proof and waterproof design
- Intrinsically safe circuit design, antistatic and electromagnetic interference
- Built-in high-power carbon film self-priming pump, quick response time
- Setting time and alarm function can be adjusted freely





NKYF-B319 portable multi-functional multi-gas detector



Parameter

- ◆ Detection principle: Suction pump type
- ◆ Accuracy: $\pm 3\%FS$
- ◆ Battery: 2800mA lithium battery DC7.4V
- ◆ Alarm: three-level alarm of sound, light and vibration
- ◆ Storage: Support manual storage, TIF storage, storage number 300,000
- ◆ Direct reading: instantaneous value
- ◆ Protection grade: IP67
- ◆ Working humidity: 5-90%RH
- ◆ Display: real-time concentration, alarm, time, Wendy, humidity, storage, communication, printing, power, Bluetooth, IoT, voltage status
- ◆ Sensor: electrochemistry/catalysis/thermal conductivity/infrared
- ◆ Standby time: flammable about 8 hours, toxic about 200 hours
- ◆ Explosion-proof mark: Ex ia IIC T6 Gb
- ◆ Working temperature: $-20^{\circ}C--60^{\circ}C$
- ◆ Instrument weight: about 600g
- ◆ Interface display: Numerical and curve display can be switched with one click. The default display interface, single, and all-in-one can be switched at will) to display the last and previous maximum/minimum values;
- ◆ Unit switching: supports free switching of units, automatic switching of conventional gases, manual input of molecular weight switching of special gases (ppm, mg/m³, %LEL, %VOL, ppb, ppm, mg/L, umol/mol, ml/L);
- ◆ Storage logs: SD card storage (storage alarm records, fault records, alarm concentration, time); can record calibration logs, maintenance logs, fault resolution countermeasures, sensor life expiration reminder, next concentration calibration time reminder function;

Features

- ◆ Eight kinds of gas detector + temperature and humidity + dust
- ◆ Temperature and humidity detection function
- ◆ Color LCD display, Chinese and English interface switching
- ◆ Built-in pump, 600mL, can sample more than 20 meters
- ◆ Fault alarm function, separate prompts for sensor and pump failures
- ◆ Fall alarm, call for help, one-key call for help
- ◆ Support multi-point calibration
- ◆ Product anti-signal interference
- ◆ GPS positioning, 4G data transmission (optional)
- ◆ Support TWA, STEL, OL data display
- ◆ IoT, wireless, Bluetooth, connectable wireless Bluetooth printer (optional)
- ◆ The same machine can be interconnected
- ◆ Data recovery, optional recovery or full recovery
- ◆ Supports host computer communication software (optional)
- ◆ Support extended particulate matter module, unit: ug/m³
- ◆ Charger with USB interface
- ◆ Humidity, dust filter
- ◆ Retractable sampling handle



NKYF-S360 portable multi-gas analyzer



Optional accessories:

1. External micro wireless printer
2. High-temperature sampling cooling filter device handle, high-temperature and high-humidity pretreatment system that can detect 800° C, flue gas concentration, external remote sampling pump, humidity dust filter

Parameter:

- ◆ Detect gas: flammable/toxic and harmful gases
- ◆ Detection principle: electrochemistry/catalysis/infrared
- ◆ Display: LCD color touch liquid crystal display
- ◆ Battery: DC7.4V-11000mA
- ◆ Power supply mode: lithium-ion rechargeable battery
- ◆ Response time: flammable: <30s; toxicity: <60s
- ◆ Relative humidity: (20~93)%RH
- ◆ Instrument size: (293 × 110 × 210)mm
- ◆ Detection method: built-in pump suction type
- ◆ Detection scope: see attached table
- ◆ Interface definition: Mini USB
- ◆ Charging time: not less than 10h
- ◆ Alarm: sound and light alarm signal
- ◆ Working temperature: -10° C~+55° C
- ◆ Working time: not less than 15h
- ◆ Meter weight: 4.8kg

Features:

- ◆ Large-screen color English menu operation
- ◆ High resolution touch LCD display
- ◆ Quickly detect gas leakage points
- ◆ adjustable range
- ◆ Fast warm-up and fast response time
- ◆ Sound and light alarm signal
- ◆ Zero point adjustment function, convenient and fast
- ◆ Can support simultaneous detection of 16 gases in free combination
- ◆ Convenient modular sensor with strong interchangeability





NKYF-LGP816 Portable Gas Leak Detector



Parameter:

Detection gas	natural gas, liquefied petroleum gas, coal gas and other flammable or toxic gases	Alarm setting value	20%LEL
Detection method	Diffusion	Accuracy	1PPM/1%LEL
Detection range	0-100%LEL/0-10000ppm	Response time	≤30s
Display mode	LCD digital display	Explosion-proof type	intrinsically safe
Alarm method	sound and light alarm	Explosion-proof mark	Ex d II CT ₆
Alarm volume	≥70dB	Power supply	3.7V-2000mAh lithium-ion rechargeable battery
Continuous work	use environment >8h (standard charging state)	Operating environment	Temperature -40℃~+70℃ Relative humidity: ≤93%RH
Overall dimensions	220X95X50mm	Alarm point	adjustable

Features

- ◆ Original imported sensor
- ◆ Sensor probe protection device
- ◆ Quickly detect gas leakage points
- ◆ Extended flexible probe, adjustable sensitivity
- ◆ Low voltage alarm and automatic shutdown
- ◆ Sensor fault detection and alarm
- ◆ Fast warm-up and fast response time
- ◆ English dot matrix LCD display
- ◆ Alarm recording, alarm point setting, online panning, password management and other functions



NKYF-B-CH4 Natural gas leak detector



Parameter

- ◆ Detection range: 0~10000umol/mol(ppm)
- ◆ Resolution: 1umol/mol(ppm)
- ◆ Applicable gas: flammable
- ◆ Alarm point: can be set, the default low report is 500umol/mol, the default high report is 2000umol/mol
- ◆ Indication mode: LCD display real-time data display, system status; LED/sound/vibration indication alarm and low battery display
- ◆ Working environment: temperature -20° C~50° C; humidity <95%RH without condensation
- ◆ Working voltage: DC3.7V (battery capacity 2000mAh)
- ◆ Explosion-proof mark: ExibIIBT3Gb
- ◆ Protection class: IP65
- ◆ Weight: about 256g (excluding portable accessories)
- ◆ Appearance size: 200mmx70mmx25mm

Features

- Curved appearance design, comfortable to hold
- Indicator light + buzzer, sound and light double alarm display
- Figaro sensor and extended flexible probe, optimized material, high sensitivity, fast detection of air leakage complete accessories, exquisite packaging in aluminum box
- Suitable for use in various harsh environments, waterproof + dustproof + explosion-proof

Packing

- Packing list: 1 host + 1 USB power cord + 1 power plug + 1 certificate + 1 manual
- Weight: about 256g (excluding portable accessories)
- Appearance size: 200mmx70mmx25mm



NKYF-B-CH4 Natural gas leak detector



Parameter

- ◆ Detection range: 0~10000umol/mol(ppm)
- ◆ Resolution: 1umol/mol(ppm)
- ◆ Applicable gas: flammable
- ◆ Alarm point: can be set, the default low report is 500umol/mol, the default high report is 2000umol/mol
- ◆ Indication mode: LCD display real-time data display, system status; LED/sound/vibration indication alarm and low battery display
- ◆ Working environment: temperature -20° C~50° C; humidity <95%RH without condensation
- ◆ Working voltage: DC3.7V (battery capacity 2000mAh)
- ◆ Explosion-proof mark: ExibII BT3Gb
- ◆ Protection class: IP65
- ◆ Weight: about 256g (excluding portable accessories)
- ◆ Appearance size: 200mmx70mmx25mm

Features

- Curved appearance design, comfortable to hold
- Indicator light + buzzer, sound and light double alarm display
- Figaro sensor and extended flexible probe, optimized material, high sensitivity, fast detection of air leakage complete accessories, exquisite packaging in aluminum box
- Suitable for use in various harsh environments, waterproof + dustproof + explosion-proof

Packing

- Packing list: 1 host + 1 USB power cord + 1 power plug + 1 certificate + 1 manual
- Weight: about 256g (excluding portable accessories)
- Appearance size: 200mmx70mmx25mm





NKYF-JL-EX Portable Gas Detector



Parameter

Detection of gas	natural gas, liquefied petroleum gas, coal gas and other flammable or toxic gases	Alarm setting value	20%LEL
Detection method	Diffusion	Indication error	$\leq \pm 5\%FS$
Detection range	0-100%LEL	Response time	$\leq 30s$
Display mode	LCD digital display	Explosion-proof type	intrinsically safe
Alarm mode	sound and light alarm	Explosion-proof mark	Ex d II CT ₆
Alarm volume	$\geq 70dB$	Power supply	4 rechargeable batteries /4.8V 2000MA
Continuous work	>8h (standard charging state)	Operating environment:	temperature: $-40^{\circ}C \sim +70^{\circ}C$, relative humidity: $\leq 93\%RH$.
Dimensions	220X95X50mm		

Features

- Beautiful appearance, easy to hold
- Digital display, intuitive and accurate
- Long continuous working time
- With under voltage sound and light indication function



The instrument can be widely used in gas, petroleum, chemical, metallurgical coking and other industries for gas or toxic gas production and on-site detection, and is also suitable for gas storage and distribution detection. It is the best choice for safety management personnel and inspection and maintenance personnel in related industries. Essential safety equipment.



Online four-in-one gas detector Fixed four-in-one gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Range	O ₂ :0-25% VOL; CO:0-1000ppm, EX 0-100%LEL, H ₂ S 0-100PPM Accuracy $\leq \pm 3\%$ F.S Repeatability $\leq \pm 2\%$ The previous list is optional
Detection object	any gas in the list;	Sensor life	≥ 5 years, using imported sensors
Low and high reporting range	low reporting 19.5% VOL and high reporting 23.5% VOL; can be customized	Sampling method	natural diffusion
Response time	T ₉₀ ≤ 20 S	Display mode	LCD liquid crystal display
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm value: 23.5%VOL; adjustable	Ambient temperature	-40°C ~ 65°C
Working humidity	$\leq 90\%$ RH;	Protection class	IP67
Explosion-proof method	explosion-proof type	Working voltage	DC18V ~ 24V
Explosion-proof grade	EX DIICT6; CT4 user can choose	Alarm facilities	sound and light + infrared mode
Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland	Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)
Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system	Power Consumption	≤ 2 W
Dimensions	150 x 140 x 70 (mm)	Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m
Cable Specifications	Branch RVVP3 x 1.5mm ² 1.5mm ² x 3. Bus RVVP4 x 2.5mm ² x 4; Two-wire RVVP2 x 2.5mm ²	Atmospheric pressure	86Kpa ~ 108Kpa
Machine weight	≤ 2000 g	Equipped with protective dust cover and installation bracket	

Features

- ◆Detection accuracy and measuring range are adjustable
 - ◆4-20MA protocol and 485 protocol optional
 - ◆Long life, high sensitivity, low drift, stable and reliable work
 - ◆Sensor fault self-check, two-level concentration alarm, with relay output function
 - ◆LCD gas concentration digital display and working status display
 - ◆With temperature compensation and automatic zero point correction functions
 - ◆Infrared remote control mode, the detector can be adjusted without opening the cover, which is safe and convenient.
- Remote control calibration; configure remote control





Fixed Wireless 4-in-1 Gas Detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Range	O ₂ :0-25% VOL; CO:0-1000ppm, EX 0-100%LEL, H ₂ S 0-100PPM Accuracy $\leq \pm 3\%$ F.S Repeatability $\leq \pm 2\%$ The previous list is optional
Detection object	any gas in the list	Sensor life	≥ 5 years, using imported sensors
Low and high reporting range	low reporting 19.5% VOL and high reporting 23.5% VOL; can be customized	Sampling method	natural diffusion
Response time	T ₉₀ ≤ 20 S	Display mode	LCD liquid crystal display
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm value: 23.5%VOL; adjustable	Ambient temperature	-40°C ~ 65°C;
Working humidity	$\leq 90\%$ RH	Protection class	IP67
explosion-proof type	Flameproof type	Working voltage	DC18V ~ 24V
Explosion-proof grade	EX DIICT6; CT4 user can choose	Alarm facilities	sound and light + infrared mode;
Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland	Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)
Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system	Power Consumption	≤ 2 W
Dimensions	150 x 140 x 70 (mm)	Signal trans mission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;
Cable Specifications	Branch RVVP3 x 1.5mm ² 1.5mm ² x 3. Bus RVVP4 x 2.5mm ² x 4; Two-wire RVVP2 x 2.5mm ²	Atmospheric pressure	86Kpa ~ 108Kpa
Machine weight	≤ 2000 g	Equipped with protective dust cover and installation bracket	

Features

- ◆Detection accuracy and measuring range are adjustable
- ◆Wireless: NB/4G
- ◆Long life, high sensitivity, low drift, stable and reliable work
- ◆Sensor fault self-check, two-level concentration alarm, with relay out function
- ◆LCD gas concentration digital display and working status display
- ◆With temperature compensation and automatic zero point correction functions
- ◆Infrared remote control mode, the detector can be adjusted without opening the cover, which is safe and convenient. Remote control calibra configure remote control.





Online Single Gas Detector Fixed Single Gas Detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	-40°C ~ 65°C;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltage	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆ The detection accuracy and measuring range are adjustable, 4-20MA protocol and 485 protocol are optional
- ◆ Long life, high sensitivity, low drift, stable and reliable work
- ◆ Sensor fault self-check, two-level concentration alarm, with relay output function
- ◆ LCD gas concentration digital display and working status display
- ◆ With temperature compensation, automatic zero point correction function
- ◆ Infrared remote control method, the detector can be adjusted without opening the cover, which is safe and convenient, and the remote control is calibrated; the remote control is configured



Online Single Gas Detector Fixed Single Gas Detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40℃ ~ 65℃ ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltag	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆The detection accuracy and measuring range are adjustable, 4-20MA protocol and 485 protocol are optional
- ◆Long life, high sensitivity, low drift, stable and reliable work
- ◆Sensor fault self-check, two-level concentration alarm, with relay output function
- ◆LCD gas concentration digital display and working status display
- ◆With temperature compensation, automatic zero point correction function
- ◆Infrared remote control method, the detector can be adjusted without opening the cover, which is safe and convenient, and the remote control is calibrated; the remote control is configured



Online Single Gas Detector Fixed Single Gas Detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40℃ ~ 65℃ ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltag	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆The detection accuracy and measuring range are adjustable, 4-20MA protocol and 485 protocol are optional
- ◆Long life, high sensitivity, low drift, stable and reliable work
- ◆Sensor fault self-check, two-level concentration alarm, with relay output function
- ◆LCD gas concentration digital display and working status display
- ◆With temperature compensation, automatic zero point correction function
- ◆Infrared remote control method, the detector can be adjusted without opening the cover, which is safe and convenient, and the remote control is calibrated; the remote control is configured



Online Single Gas Detector Fixed Single Gas Detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	-40℃ ~ 65℃;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltage	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	4-20MA or RS485 or three-wire (MBUS) (optional) can be uploaded to DCS, PLC system
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressure	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆The detection accuracy and measuring range are adjustable, 4-20MA protocol and 485 protocol are optional
- ◆Long life, high sensitivity, low drift, stable and reliable work
- ◆Sensor fault self-check, two-level concentration alarm, with relay output function
- ◆LCD gas concentration digital display and working status display
- ◆With temperature compensation, automatic zero point correction function
- ◆Infrared remote control method, the detector can be adjusted without opening the cover, which is safe and convenient, and the remote control is calibrated; the remote control is configured

High temperature combustible gas detector



Parameter

- ◆ Detection gas: high temperature combustible gas
- ◆ Alarm mode: two-level alarm (low report 20 high report 50)
- ◆ Minimum degree: 1LEL
- ◆ Sensor type: catalytic combustion type
- ◆ Explosion-proof grade: ExdIICT6 (explosion-proof application)
- ◆ Operating temperature: continuous temperature 60–200C (indirect 250 degrees)
- ◆ Working humidity: ≤90%R
- ◆ Output signal: 4–20MA three-wire or RS485 (MBUS) (optional) can be uploaded to DCS and PLC systems
- ◆ Range: 3–100%LEL
- ◆ Basic error: <soil 5% (f.s)
- ◆ Response time: ≤30S
- ◆ Protection level: IP67

Features

- ◆ Intrinsically safe circuit design, safe and reliable
- ◆ Infrared remote control operation
- ◆ Customers can set alarm points and other functions according to their needs. 2 sets of relays
- ◆ (switch signal) signal output, convenient for use in conjunction with fan or electromagnetic control equipment
- ◆ Can continuously work in high temperature environment without drift
- ◆ Explosion-proof design, suitable for zone 1 and zone 2 hazardous places





Wireless gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40℃ ~ 65℃ ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltag	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	wireless, can upload DCS, PLC system;
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆Detection accuracy and measurement range are adjustable
- ◆Long life, high sensitivity, low drift, stable and reliable operation
- ◆Sensor fault self-test, two-level concentration alarm, with relay output function
- ◆LCD digital display of gas concentration and working status display
- ◆With temperature compensation and automatic zero calibration functions
- ◆Infrared remote control allows you to adjust the detector without opening the cover, which is safe and convenient. Remote control calibration; configure remote control



Wireless gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	-40℃ ~ 65℃;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion -proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion -proof grade	EX DIICT6; CT4 user can choose
Response time	T90≤20S	Working voltag	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	wireless, can upload DCS, PLC system;
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆Detection accuracy and measurement range are adjustable
- ◆Long life, high sensitivity, low drift, stable and reliable operation
- ◆Sensor fault self-test, two-level concentration alarm, with relay output function
- ◆LCD digital display of gas concentration and working status display
- ◆With temperature compensation and automatic zero calibration functions
- ◆Infrared remote control allows you to adjust the detector without opening the cover, which is safe and convenient. Remote control calibration; configure remote control





Wireless gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40°C ~ 65°C ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion -proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion -proof grade	EX DIICT6; CT4 user can choose
Response time	T90 ≤ 20S	Working voltag	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	wireless, can upload DCS, PLC system;
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressur	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆ Detection accuracy and measurement range are adjustable
- ◆ Long life, high sensitivity, low drift, stable and reliable operation
- ◆ Sensor fault self-test, two-level concentration alarm, with relay output function
- ◆ LCD digital display of gas concentration and working status display
- ◆ With temperature compensation and automatic zero calibration functions
- ◆ Infrared remote control allows you to adjust the detector without opening the cover, which is safe and convenient. Remote control calibration; configure remote control



4-in-1 wireless gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40°C ~ 65°C ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90 ≤ 20S	Working voltage	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	wireless, can upload DCS, PLC system;
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressure	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆Detection accuracy and measurement range are adjustable
- ◆Long life, high sensitivity, low drift, stable and reliable operation
- ◆Sensor fault self-test, two-level concentration alarm, with relay output function
- ◆LCD digital display of gas concentration and working status display
- ◆With temperature compensation and automatic zero calibration functions
- ◆Infrared remote control allows you to adjust the detector without opening the cover, which is safe and convenient. Remote control calibration; configure remote control



4-in-1 wireless gas detector



Parameter

Detection principle	electrochemical formula; catalytic combustion, PID, semiconductor, etc. (depending on the selected gas detection principle)	Alarm value setting	Level 1 alarm value: 19.5% vol adjustable level 2 alarm value: 23.5% vol adjustable
Detection object	any gas in the list	Ambient temperature	- 40°C ~ 65°C ;
Range	O2:0-25% VOL; CO:0-1000ppm,	Working humidity	≤90%RH;
Sensor life	≥5 years, using imported sensors	Protection class	IP67;
Alarm value setting	Primary alarm value: 19.5%VOL adjustable Secondary alarm	Explosion-proof method	explosion-proof type
Sampling method	Natural diffusion	Explosion-proof grade	EX DIICT6; CT4 user can choose
Response time	T90 ≤ 20S	Working voltage	DC18V ~ 24V
Display mode	LCD liquid crystal display	Electrical interface	3/4 inch NPT (F) or M20 with explosion-proof junction box gland
Alarm facilities	sound and light + infrared mode	Signal output	wireless, can upload DCS, PLC system;
Passive contacts	2 sets of switching output signals (normally open and normally closed adjustable)	Dimensions	150 x 140 x 70 (mm)
Power Consumption	≤2W	Cable Specifications	Branch RVVP3 x 1.5mm 21.5mm2 x 3. Bus RVVP4 x 2.5mm 2 x 4; Two-wire RVVP2 x 2.5mm2
Signal transmission distance	sub-line ≤ 1000 m; three buses ≤ 1500 m; two buses ≤ 1500 m;	Machine weight	≤2000g
Atmospheric pressure	86Kpa ~ 108Kpa;	Equipped with protective dust cover and installation bracket	

Features

- ◆ Detection accuracy and measurement range are adjustable
- ◆ Long life, high sensitivity, low drift, stable and reliable operation
- ◆ Sensor fault self-test, two-level concentration alarm, with relay output function
- ◆ LCD digital display of gas concentration and working status display
- ◆ With temperature compensation and automatic zero calibration functions
- ◆ Infrared remote control allows you to adjust the detector without opening the cover, which is safe and convenient. Remote control calibration; configure remote control



S500M gas detector



Adopting 4–20mA analog signal or RS485 digital communication method, it can directly upload to monitoring equipment such as DCS, GDS, PLC, etc. It has passive switching output and can control other equipment on site. Suitable for different places such as vegetable greenhouses, underground garages, and breeding factories

Parameter

Detection medium	Measuring range	Optional range	Response time
Temperature and humidity	Temperature: $-40 \sim 80^{\circ}\text{C}$; Humidity: 0–100%RH	/	Temperature: $\leq 18\text{s}$ (1m/ s wind speed) Temperature: $\leq 6\text{s}$ (1m/s wind speed)
atmospheric pressure	30–110Kpa	/	/
Illumination	0–65535Lux	0–20万Lux	0.1s
carbon monoxide CO	0–1000ppm	0–500/ 2000/ 5000ppm	$\leq 15\text{s}$
Oxygen O ₂	0–30%VOL	0–25%VOL	$\leq 15\text{s}$
Sulfur dioxide SO ₂	0–20ppm	0–50/ 100/ 1000ppm	$\leq 20\text{s}$
Methane CH ₄	0–30%LEL	300–10000ppm、0–100%VOL	$\leq 15\text{s}$
Hydrogen sulfide H ₂ S	0–100ppm	0–50/ 200/ 1000ppm	$\leq 15\text{s}$
Please contact the company for gases not listed			

Features

- ◆ Built-in top brand sensor, sensitive response and long life;
- ◆ Compatible with catalytic, electrochemical, semiconductor, and infrared sensors based on different principles, with powerful functions;
- ◆ Built-in low-power, high-precision microprocessor with small zero-point drift and high precision;
- ◆ Optional high-quality LCD display, data can be viewed directly on site;
- ◆ Standard 4–20mA, RS485, switching signal output, can be uploaded to PLC/DCS/GDS, etc.

NKYF-K2/4 gas alarm controller



Parameter

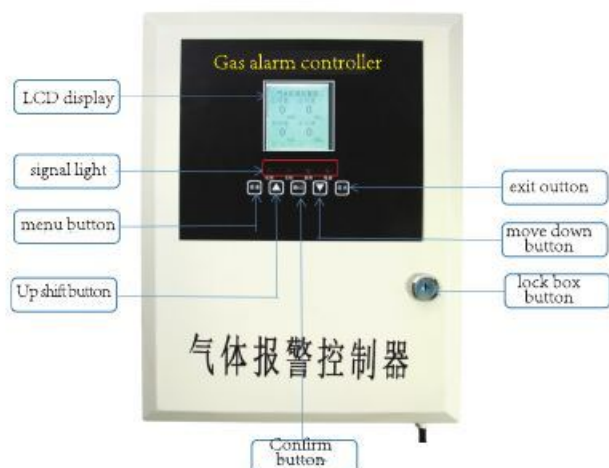
- ◆ Working voltage: AC220V
- ◆ Installation method: indoor wall-mounted
- ◆ Response time: $\leq 10s$
- ◆ Indication method: LED digital display concentration; LED indication alarm status
- ◆ Output signal: RS485 signal
- ◆ Working method: fixed installation on site, standard installation accessories
- ◆ Main power supply: AC220V $\pm 15\%$, 50Hz $\pm 1\%$
- ◆ Backup power supply: 1 section DC12V/1.3AH
- ◆ No-load power: $\leq 1W$
- ◆ Dimensions: L 330 $\times$ W 200 $\times$ H 95 mm (without flash)
- ◆ Requirements for connecting wires between controller and detector: four buses $\geq RVVP 4 \times 1.5mm$
- ◆ Communication distance between controller and detector: $\leq 800m$
- ◆ Number of controller channels: 2-4 channels depending on the purchase parameters
- ◆ Alarm method: the sound is greater than 70 decibels at a distance of one meter
- ◆ Photometric indication: strobe red indicator light

Features

- ◆ Multiple sets of signal output
- ◆ Multi-level menu, more convenient operation
- ◆ Two-level alarm settings, more powerful functions
- ◆ Anti-interference, good stability
- ◆ Alarm point linkage output, relay output passive normally open
- ◆ Continuously monitor gas concentration, and the digital tube displays the measured value in real time
- ◆ LED light alarm indication
- ◆ Easy installation and maintenance
- ◆ Alarm record query function
- ◆ Time management and display function
- ◆ Directly upload DCS, GDS, PLC and other monitoring equipment



NKYF-K8/16 split line gas alarm controller



Product advantages

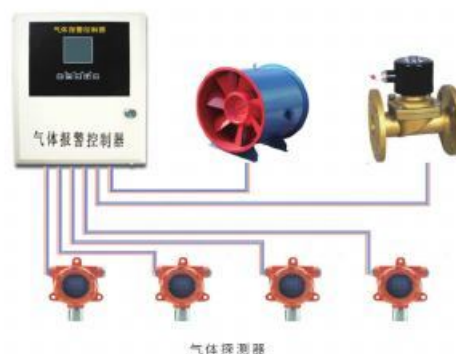
intelligent design menu management
 Calibration zero jump Alarm Settings
 easy to use The gas controller has a fast response
 High reliability, low failure rate, easy maintenance, etc.

Parameter

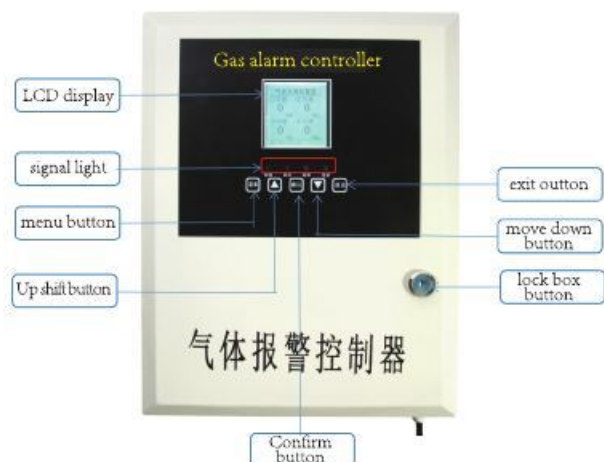
Power supply	AC220V $\pm$ 15%, 50~60HZ	Rated power	$\leq$ 5W (per circuit)
Input signal	4~20mA (three-wire system) RS485 (two-wire system or four-wire system)	Output signal	4~20mA or RS485
Alarm mode	sound alarm + LED flash alarm	Alarm volume	built-in buzzer, volume >70 decibels
Display mode	digital tube display/LCD display	Concentration unit	%LEL, PPM, %VOL
Storage capacity	automatically store 1000 alarm records	Query information	Alarm records can be queried
Control output	two sets of passive relay output	Alarm value	Two-level alarm, the alarm value can be adjusted
Temperature range	-10° C~50° C	Humidity range	<95% (non-condensing)
Wiring mode	two-wire system/three-wire system/four-wire system	Installation method	wall-mounted installation
Adaptation system	PLC/DCS/RTU/fire host	Applicable products	flammable/toxic gas detectors

Features

1. The English operation interface is intuitive and easy to understand. Bright super large LCD data display
2. With time display and channel indicator light
3. The alarm record can be checked, and the highest concentration value of the alarm is recorded
4. Display the gas concentration value, unit and name of the gas detected in all channels
5. Two-level alarm, which can be set freely by the user
6. Up to 6 passive switching values, and can be controlled freely by partition
7. The relay output signal is adjustable, conventional signal and pulse signal (the fan is generally connected to the normally open conventional signal, and the normally open solenoid valve is generally connected to the pulse signal)
8. Standard RS485 upload interface, which can upload DCS, PLC system and computer host
9. Compatible with two-wire and three-wire 4~20mA equipment
10. Visible and audible alarm signal



NKYF-K8/16 Bus gas alarm controller



Product advantages

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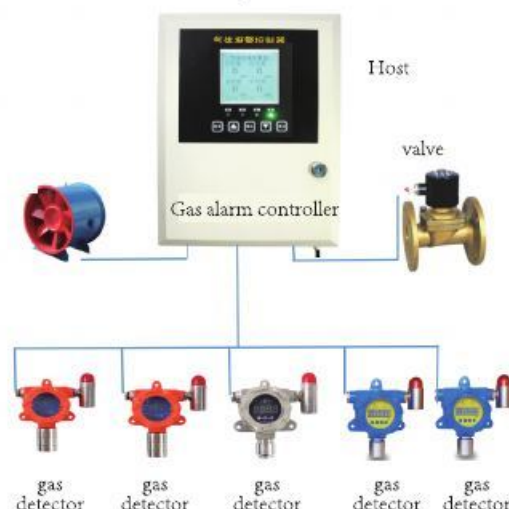
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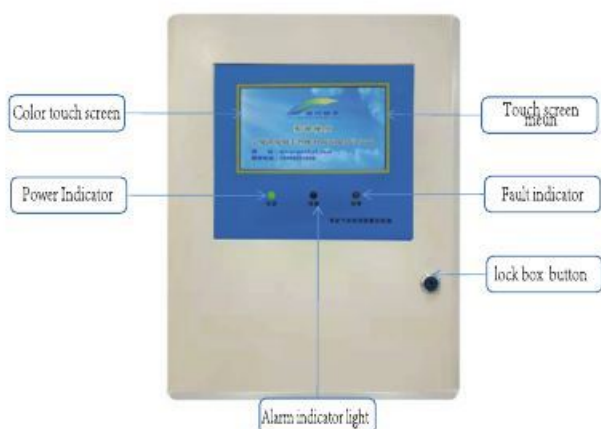
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RS485 gas controller and detector connection diagram





NKYF-K32-way Split gas alarm controller (color touch screen)



Advantages



fast respons high reliability low failure rate easy maintenance

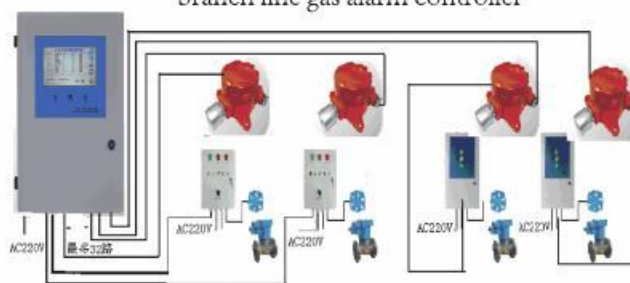
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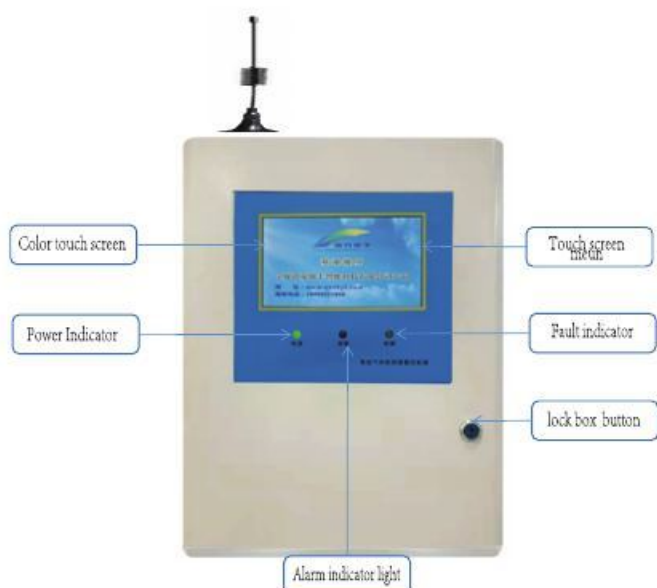
Power supply	AC220V $\pm$ 15%, 50~60HZ	Rated power	$\leq$ 5W (per circuit)
Input signal	4~20mA (three-wire system) RS485 (two-wire system or four-wire system)	Output signal	4~20mA or RS485
Alarm mode	sound alarm + LED flash alarm	Alarm volume	built-in buzzer, volume >70 decibels
Display mode	digital tube display/LCD display	Concentration unit	%LEL, PPM, %VOL
Storage capacity	automatically store 1000 alarm records	Query information	Alarm records can be queried
Control output	two sets of passive relay output	Alarm value	Two-level alarm, the alarm value can be adjusted
Temperature range	-10° C~50° C	Humidity range	<95% (non-condensing)
Wiring mode	two-wire system/three-wire system/four-wire system	Installation method	wall-mounted installation
Adaptation system	PLC/DCS/RTU/fire host	Applicable products	flammable/toxic gas detectors

Features

1. Intelligent design of color large screen, menu management, calibration,
2. Zero-jump alarm setting, simple operation, modular management, can be partitioned,
3. More than 100 gas units can be selected, various gas units can be selected,
4. 50,000 alarm history records,
5. The controller uses a 7-inch high-definition color LCD screen, full English interface, easy to operate; the unique software anti-interference technology of this machine can realize soft detection of machine faults, and has high reliability and maintainability

Schematic diagram of the effect of branch line gas alarm controller





NKYF-KW32 wireless gas controller (color touch screen)



Advantages



fast response



high reliability



low failure rate



easy maintenance

Parameter

Power supply	AC220V $\pm$ 15%, 50~60HZ	Rated power	$\leq$ 5W (per circuit)
Input signal	Wireless NB/4G	Output signal	4~20mA or RS485
Alarm mode	sound alarm + LED flash alarm	Alarm volume	built-in buzzer, volume >70 decibels
Display mode	digital tube display/LCD display	Concentration unit	%LEL, PPM, %VOL
Storage capacity	automatically store 1000 alarm records	Query information	Alarm records can be queried
Control output	two sets of passive relay output	Alarm value	Two-level alarm, the alarm value can be adjusted
Temperature range	-10° C~50° C	Humidity range	<95% (non-condensing)
Wiring mode	two-wire system/three-wire system/four-wire system	Installation method	wall-mounted installation
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NV3180 HD night vision device



Parameter

- ◆ Picture resolution: 3M(2048x1536), 2M(1600x1200), 1M(1280x960), VGA(640x480)
- ◆ Video resolution: 1080P(1920x1080), 960P(1280x960), 720P(1280x720@30FPS), VGA(640x480@30FPS)
- ◆ Lens: F1.2 large aperture, f=50mm
- ◆ Lens angle: FOV=6° , aperture 24mm
- ◆ Display screen: Internal screen 2.31" high-definition TFT screen, 960*240; external screen size 98x48mm
- ◆ Storage: supports up to 32G TF card
- ◆ USB interface: Micro USB 2.0
- ◆ MIC: Support
- ◆ Speaker: Support
- ◆ Auto power off: 1 minute/3 minutes/5 minutes/OFF
- ◆ Infrared light: 3W, 850nm strong infrared spotlight, 7 levels of infrared adjustment
- ◆ Total black observation distance: 250-300 meters
- ◆ Low light observation distance: 3 meters to infinity
- ◆ Digital zoom: digital zoom 4 times
- ◆ Power supply type: 9V; 6*AA
- ◆ Language: Multiple countries are optional

Features

- ◆ Super bright infrared light for long-distance observation at night
- ◆ Starlight level SENSOR, low light long-distance observation
- ◆ 2.31" high-definition TFT, 3x large window magnifying glass
- ◆ Photo/video can be taken during the observation process





NV8160–Binocular head-mounted night vision device



Parameter

- ◆ Product name: Binocular head-mounted night vision device
- ◆ Photo resolution: 12M, 8M, 5M, 3M, 2M, 1.3M, VGA
- ◆ Video resolution: 1080P video
- ◆ All black viewing distance: 300–400 meters
- ◆ Twilight viewing distance: 3 meters~infinity
- ◆ Strong infrared light: 7 levels of infrared brightness adjustment
- ◆ Display screen: The inner screen is 2.7 inches 640 (RGB)*480 TFT, with 6.5 times large window magnifying glass 84x38mm,
- ◆ Color effects: color, black and white, luminous green, infrared light
- ◆ Waterproof grade: IP54
- ◆ Language: multiple languages are optional

Features

- ◆ Three ways of use, portable and wearable
Used with a professional SWAT helmet and can be used handheld
- ◆ Super bright infrared light for long-distance observation at night
- ◆ Starlight level SENSOR, low light long-distance observation
- ◆ 2.7-inch 640*480 ultra-high-definition TFT screen, 6.5 times larger
Window eyepiece magnifying glass, equivalent to viewing on a 17.5-inch display screen
- ◆ Photo/video can be taken during the observation process



Z555 night vision device



Parameter

- ◆ Picture resolution: 40MP
- ◆ Video resolution: 4K/2.5K/1080P (1920x1080P@30FPS)
- ◆ Lens: F1.2 large aperture, f=32mm
- ◆ Display: 3-inch TFT ultra-high definition display (resolution 800x540)
- ◆ Night vision mode: starlight mode/full black mode
- ◆ All black observation distance: about 600 meters
- ◆ Loop recording: fixed duration of each recording on/off
- ◆ Video format: AVI
- ◆ Video speed: normal/slow motion/time-lapse photography
- ◆ Auto power off: 3 minutes/5 minutes 10 minutes/off
- ◆ Infrared lamp: 3W, 850nm strong infrared spotlight
- ◆ Display brightness: 8 levels adjustable
- ◆ System language: 12 countries optional
- ◆ Specification/weight: 188*166*66mm, net weight about 410g
- ◆ USB interface: Type-C
- ◆ Camera angle: Camera angle
- ◆ Storage: TF card supports 32GB
- ◆ Digital zoom: 8x

Features

- ◆ Low-light night vision full color. Similar products are black and white.
- ◆ Starlight-level SENSOR, which can reach long distances under low light conditions without turning on the infrared light.
Observation shows that similar products on the market cannot be seen without turning on the infrared light under low light conditions.
- ◆ Super bright infrared light has a long range of 600M at night, while similar products on the market have a range of 100-300M.
- ◆ Multi-key operation is simple, key backlight, 12 languages are optional, support date and time, setting and date stamp imprint.
- ◆ 3-inch ultra-high-definition display, intuitive and long-lasting viewing. Similar products on the market have a 2.0-inch display, which is small and requires a magnifying glass.
- ◆ It can take photos and videos to record the observed objects at that time; similar products on the market only have observation functions but no photo functions.



Gas Detector Parameters

Measured gas	measuring range	Optional range	resolving power	response time
Combustible Ex	0-100%LEL	0-100% Vol (infrared)	1%LEL/1%VOL	≤15S
Oxygen O2	0-30%VOL	0-30%、0-100%VOL	0.1%VOL	≤15S
Hydrogen sulfide H2S	0-100PPM	0-50、200、1000PPM	0.1/1PPM	≤15S
Carbon monoxide CO	0-1000PPM	0-500/2000/5000PPM	0.1/1PPM	≤15S
Nitrogen dioxide No2	0-20PPM	0-50、1000PPM	0.1/1PPM	≤20S
natural gas	0-100%LEL	0-100%LEL	1%LEL	≤15S
nitrogen oxide	0-20PPM	0-50、1000PPM	0.1/1PPM	≤20S
methane	0-100%LEL	0-100%LEL	1%LEL/1%VOL	≤15S
Carbon dioxide CO2	0-5000PPM	0-1%、5%、10% Vol (infrared)	1PPM/0.01%VOL	≤20S
Nitric oxide NO	0-250PPM	0-500、1000PPM	1PPM	≤20S
nitrogen	0-100%LEL	0-100%VOL	1%VOL	≤15S
alcohol	0-100%LEL	0-100%LEL	1%LEL/1%VOL	≤15S
Sulfur dioxide SO2	0-20PPM	0-50、1000PPM	0.1/1PPM	≤20S
Chlorine Cl2	0-20PPM	0-10、100PPM	0.1PPM	≤20S
Silicon dichloride	0-20PPM	0-20、100PPM	1PPM/0.1PPM	≤20S
Ammonia NH3	0-100PPM	0-50、500、1000PPM	0.1/1PPM	≤20S
Silicon tetrachloride	0-20PPM	0-20、100PPM	1PPM/0.1PPM	≤20S
Hydrogen H2	0-100%LEL	0-1000PPM	1%LEL/1PPM	≤20S
Phosphine PH3	0-20PPM	0-20、0-100PPM	0.01/0.1PPM	≤20S
Hydrogen chloride HCl	0-20PPM	0-20、50、100PPM	0.01/0.1PPM	≤20S
acrylonitrile	0-100PPM	0-100PPM	1PPM/0.1PPM	≤20S
TVOC	0-100PPM	0-100PPM	1PPM/0.1PPM	≤20S
CLO2	0-50PPM	0-10、100PPM	0.1PPM	≤20S
Hydrogen cyanide HCN	0-50PPM	0-100PPM	0.1/0.01PPM	≤20S
Ethylene oxide Eto	0-10PPM	0-100PPM	1PPM/0.1PPM	≤20S
Ozone O3	0-10PPM	0-20、100PPM	0.011PPM/0.1PPM	≤20S
Formaldehyde CH2O	0-20PPM	0-50、100PPM	1/0.1PPM	≤20S
Fluorine gas F2	0-10PPM	0-1、10PPM	1PPM/0.1PPM	≤20S
Hydrogen fluoride HF	0-10PPM	0-1、10、50、100PPM	0.01/0.1PPM	≤20S
Xylene, toluene	0-20PPM	0-5、10、50、100PPM	0.01/0.1PPM	≤20S
stench	0-100PPM	0-100PPM	1PPM/0.1PPM	≤20S

notes:

It can detect Sulfur hexafluoride or argon