

KELISAIKE

NANJING KELISAIKE SAFETY EQUIPMENT CO., LTD

COMPANY PROFILE

Nanjing KELISAIKE Safety Equipment Co., Ltd. is one of the largest safety equipment manufacturers, possessing the most complete production range and specifications in the safety equipment industry of mainland China. Nanjing KELISAIKE was founded in 2004, including three subsidiaries in Beijing, Xi'an and Xinjiang province, and more than 30 domestic sales service centers. Standard products and services cover the K60 series portable single gas detector, K60-IV series multi gas detector, K800 series fixed gas transmitter, K500 series wall-mounted gas detector, K1000 series gas detector control panel unit, KL99 series air breathing apparatus etc. Also Nanjing KELISAIKE is an experienced factory for OEM service, providing professional design and construction of the customize products. The products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

Nanjing KELISAIKE is the leader enterprise of the science and technology, persisting in creating core competencies by the core technology. In the company, there is one professional and technical talent team who masters core technology, including more than 10 senior technicians and masters.

Nanjing KELISAIKE has passed ISO9001 International Quality System Certification, which ensures all products' excellent performance and competitive prices.

KELISAIKE Faith

People-oriented and technology-innovated

KELISAIKE Principle

Quality first, integrity-based

OUR QUALIFICATIONS



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K60 (CTH1000) SERIES PORTABLE GAS DETECTOR

**The K60 series gas detector is a full featured device that has unequaled cost of ownership!
The detector is warranted for one year and maintenance free with replaceable battery.**

Key Features

- 1) High sensitivity world famous imported sensors
- 2) Light weight and small size design(less than 120g), easy to operate
- 3) Bright, red flashing visible alarm
- 4) 90dB audible vibration alarm
- 5) Excellent built-in vibration alert for use in areas of high ambient noise
- 6) Strong, protective, concussion-proof design for normal working in harsh environments
- 7) 3.0V lithium battery, continuously work for about 24months
- 8) 2+2 digits LCD real time display gas concentration
- 9) CERTIFICATIONS: CE, CMC, Ex, MA (SAFETY CERTIFICATE OF APPROVAL FOR COAL MINING PRODUCTS IN CHINA)

Technical Specification

Dimension: 109L x 56W x 38Hmm

Weight: 120g

Sampling: Diffusion

Working Temperature: -20° C ~ +55° C

Relative Humidity : 15%~90% RH (non-condensing)

Power: 3V Lithium battery

Service Life: 2 years

Display: LCD display

Pressure: 86~106Kpa

Alarm Mode: Acousto optic alarm with vibration

Explosion-proof Grade: Ex ib IIC T3



K60-IV MULTI GAS DETECTOR

The K60-IV is a full-featured, compact, one to four sensor gas detector for oxygen, combustibles, hydrogen sulfide, carbon monoxide. Key features include easy-to-operate design, a water-resistant case and high sensitivity sensors.

Key Features

- 1) Light weight and small size design(less than 300g), easy to operate
- 2) Excellent built-in vibration alert for use in areas of high ambient noise applications
- 3) 90dB audible vibration alarm
- 4) Strong, protective, concussion-proof shockproof design for normal working in harsh environments
- 5) Rechargeable lithium battery for over 10 hours continuously operation(equipped with charger)
- 6) User interface with built-in pump
- 7) CERTIFICATIONS: CMC, Ex, MA (SAFETY CERTIFICATE OF APPROVAL FOR COAL MINING PRODUCTS IN CHINA)

Technical Specification

Dimension: 133 L x 70 W x 36 Hmm

Weight: Approx. 300g

Sampling: Pump, diffusion

Working Temperature: - 10 °C ~ + 44 °C

Relative Humidity: 15% ~ 90% RH (non-condensing)



Power: 3.7V rechargeable lithium battery, continuously work for over 10 hours (equipped with charger)

Sensor Service time: One year for combustible gases sensor; two years for oxygen and toxic gases sensors

Display: LCD display

Alarm Mode: Acousto optic alarm

Explosion-proof Grade: Ex ib IIC T3

GAS TYPE	DETECTION RANGE	RESOLUTION	RESPONSE TIME
O ₂	0-30%Vol	0.1%Vol	T90≤15s
LEL	0-100%LEL	0.1%LEL	T90≤5s
CO	0-1999ppm	1ppm	T90≤25s
H ₂ S	0-100ppm	0.1ppm	T90≤30s

K60-V MULTI GAS DETECTOR (PID)

The K60-V is a full-featured, compact, one to five sensor gas detector for oxygen, combustibles, hydrogen sulfide, carbon monoxide and VOCs. Key features include easy-to-operate design, a water-resistant case and high sensitivity sensors.

Key Features

- 1) Light weight and small size design(less than 300g), easy to operate
- 2) Excellent built-in vibration alert for use in areas of high ambient noise applications
- 3) 90dB audible vibration alarm
- 4) Strong, protective, concussion-proof shockproof design for normal working in harsh environments
- 5) Rechargeable lithium battery for over 10 hours continuously operation(equipped with charger)
- 6) User interface with built-in pump
- 7) CERTIFICATIONS: CMC, Ex, MA (SAFETY CERTIFICATE OF APPROVAL FOR COAL MINING PRODUCTS IN CHINA)

Technical Specification

Dimension: 133 L×70 W×36Hmm

Weight: Approx. 300g

Sampling: Pump, diffusion

Working Temperature: - 10 °C ~ + 44 °C

Relative Humidity : 15%~90% RH (non-condensing)

Power : 3.7V rechargeable lithium battery, continuously work for over 10 hours (equipped with charger)

Sensor Service time: One year for combustible gases sensor; two years for oxygen sensor, toxic gases sensors and PID sensor.

Display: LCD display

Alarm Mode: Acousto optic alarm

Explosion-proof Grade: Ex ib IIC T3



GAS TYPE	DETECTION RANGE	RESOLUTION	RESPONSE TIME
O ₂	0-30%Vol	0.1%Vol	T90≤15s
LEL	0-100%LEL	0.1%LEL	T90≤5s
CO	0-1999ppm	1ppm	T90≤25s
H ₂ S	0-100ppm	0.1ppm	T90≤30s
PID(VOCs< 10.6 eV)	0-1999.9ppm	0.1ppm	T90≤20s

K800 SERIES FIXED GAS TRANSMITTER



Non-display



Display



Display with acousto-optic alarm

The 2 or 3 or 4 wire, 4-20mA and RS485 MODBUS output K800 series fixed device provides continuous detection and monitoring of gases for a wide range of industrial environments. The fixed point detector with in-built alarm and fault relays for the protection of personnel and plant from flammable, toxic and oxygen hazards.

Key Features

- 1) Digital and analog outputs
- 2) LED light status indicator for alarm conditions
- 3) The relay can trigger alarms or process controls
- 4) Three models available measure toxic gases, VOCs, or combustibles
- 5) Explosion-proof enclosure
- 6) CERTIFICATIONS: CE, CMC, Ex, MA (SAFETY CERTIFICATE OF APPROVAL FOR COAL MINING PRODUCTS IN CHINA)

Technical Specification

Weight: 1.8kg

Working Temperature: -20° C ~ +55° C

Power: 24V DC

Display: 4-digit LED display

Alarm Mode: acousto optic alarm

Enclosure: Aluminum alloy and stainless steel

Sampling: Diffusion

Relative Humidity : 15%~90% RH (non-condensing)

Service Life: 2 years

Pressure: 86~106Kpa

Wiring : 2 or 3 or 4 wires

Explosion-proof Grade: Exd IIC T6

K800IR FIXED INFRARED GAS DETECTOR



Key Features

- 1) Non-dispersive infrared sensor
- 2) Detecting gases including different combustible gases or CO₂
- 3) High sensitive sensor without oxygen-dependence
- 4) 4 -20mA output signal
- 5) 24V DC power supply
- 6) Compatible with existing alarm control unit or DCS(Distributed Control System)
- 7) Connecting cable: 3-core shield cable, 3x1.0mm
- 8) 4-digit LED display
- 9) Working temperature: -20° C~ +55° C
- 10) Explosion-proof grade: Exd IIC T6

GAS TYPE	DETECTION RANGE	RESOLUTION	RESPONSE TIME
CH ₄	0-5%Vol	0.1%Vol	T90≤60s
CO ₂	0-5%Vol (0-5000ppm)	0.01%Vol (1ppm)	T90≤60s

K500 WALL-MOUNTED GAS DETECTOR

K500 series wall-mount gas detector is a device with long service life, adopting high sensitivity imported sensors and the explosion proof design. The wall mount gas detector operates as part of an integrated system (with 4-20mA output analog) or as a stand-alone system only. 2 discrete alarm levels (high level& low level), audible and visual alarm.



Key Features

- 1) High sensitivity world famous imported sensors
- 2) Bright, red flashing visible alarm and loud 90dB audible alarm on the spot
- 3) Waterproof and dustproof design for normal and continuous working in harsh environments
- 4) Compatible with DCS (Distributed Control System)
- 5) Flameproof body design acc. to IEC61508, simple and easy installation and maintenance
- 6) Programmable alarm operation value, low or high level alarm indication
- 7) 220V AC or 24V DC power supply, 4-20mA output analog, three core shield cable, DCS system
- 8) CERTIFICATIONS: CMC, Ex, MA (SAFETY CERTIFICATE OF APPROVAL FOR COAL MINING PRODUCTS IN CHINA)

Technical Specification

Weight: 3.5kg

Working Temperature: -20° C ~ +55° C

Power: 220V AC/24V DC

Display: 4-digit LED display

Alarm Mode: Acousto optic alarm

Wiring : 3-core shield cable, 3 x1.0mm

Sampling: Diffusion

Relative Humidity: 15%~90% RH (non-condensing)

Service Life: 2 years

Pressure: 86~106Kpa

Transmission Distance: MAX.1000m

Enclosure: Aluminum alloy and stainless steel

K1000 SERIES GAS DETECTOR CONTROLLER



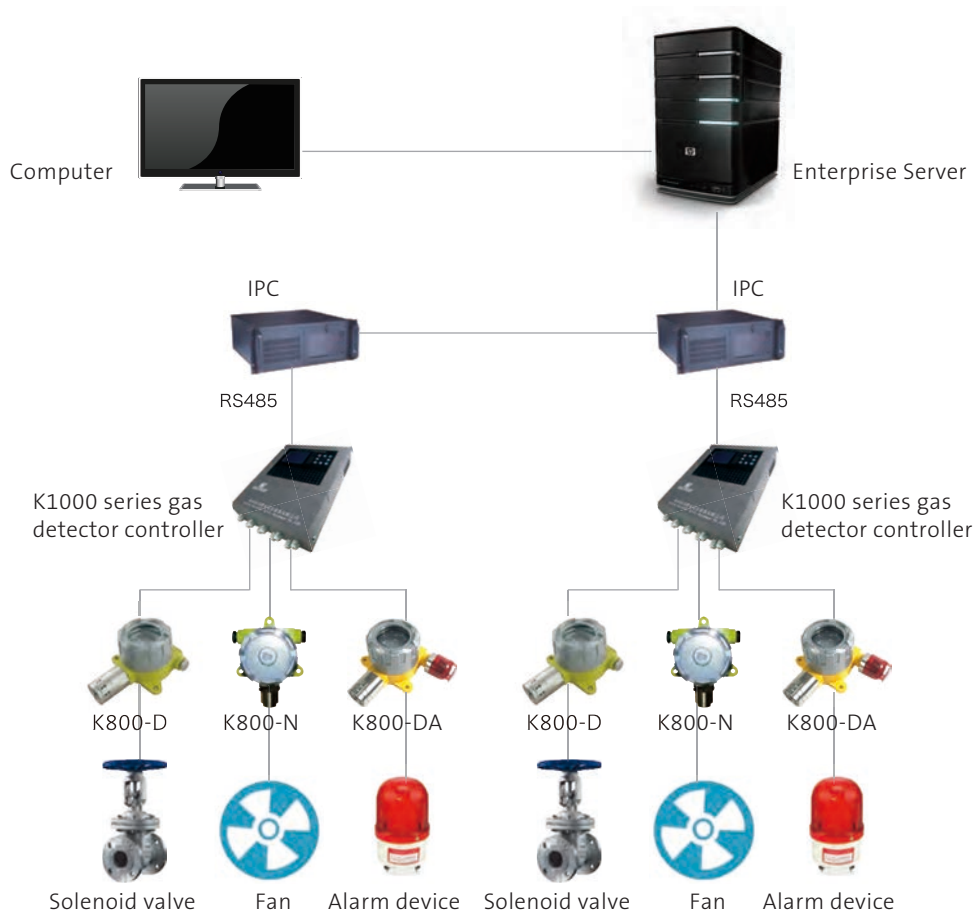
K1000-4



K1000-8



K1000-16



K1000 series gas detector controller provides simultaneous display and alarm functions for up to 4, 8, 16 and 32 monitored variables. Easy to configure and user friendly, the K1000 series control system can function as a critical alarm controller for toxic or combustible gases. The controllers are easy to install and feature a large graphical LCD display and non-intrusive user interface for hazardous areas.

Key Features

- 1) Accepts up to 4, 8, 16 and 32 inputs from either 4-20mA or Mod-bus transmitters.
- 2) Internal power supply generates 24VDC and provides 15 watts total system power; optional 150 watts supply available
- 3) Mod-bus RS-485 serial ports for simultaneous master/slave operation
- 4) Two independent alarm levels per channel. "Relay Acknowledge" feature allows silencing external audible devices during existing alarm conditions.
- 5) Standard common alarm relays for HORN, HIGH and WARN.
- 6) Wall mount installation
- 7) Graphic LCD with backlight displays real time data and engineering units, indicating two alarms per 16 channels and common relays

Technical Specification

Max. Capacity of System: 4/8/16/32 channels Input Signal: 4~20mA signal (RS-485 signal)

Output Signal: RS-485 Acousto optic alarm indication

Alarm Settings: High and low alarm values(two alarm values)

Contact Capacity: 5A 250V AC / 5A 30V DC Display: LCD display

Sampling Rate: <0.1s/channel

Measurement Accuracy: <±0.2%

Historic Recording: Fault or alarm records for 2000pcs (for 16-channel only)

Communication Mode: RS-485

Communication Range: No relay <1200m

Communication Medium: STP

AC Power: 220VAC,50/60Hz (Tolerance100~240 V AC)

Power: 300W

Operation Temperature: -10° C ~55° C

Operation Humidity: <95% RH (non-condensing)

Pressure: 86~106kPa

KF100 SERIES FLUE GAS ULTRAVIOLET ANALYZER

The analyzer based on UV absorption spectroscopy and chemometric algorithms to measure SO₂, NO_x, O₂, NH₃, Cl₂, O₃, H₂S and other gases concentration, with high accuracy, high reliability, fast response time, wide application and other characteristics, the indicators have reached or exceeded similar products, it can be widely used in environmental online monitoring, industrial control, security monitoring and other occasions.

Technical Features

- Analyzer uses the following optical technology platform to get the UV absorption spectrum, the technology platform consists of light source, gas chamber, fiber optics and spectroscopy (including the diaphragm, holographic gratings, linear array detector) and other optical components.



- UV-visible light emitted by the optical window into the gas chamber, is absorbed by the sample gas flowing through the measured gas chamber, carrying the tested sample gas absorbs light through the lens after gathering information coupled into optical fiber through the optical fiber transmission into the spectrometer splitting, sampling, to obtain the absorption spectrum of the gas.

- use DOAS technology spectrum analysis, can analyze the concentration of the gas in the relevant component.

Technical Specifications

Project	Indicators
SO ₂ Detection range	Min:0-20ppm,Max:0-100%,
NO Detection range	Min:0-20ppm,Max:0-100%,
O ₂ Detection range	0-25%, Electrochemical or zirconia
Linearity error	≤±1%F.S.
Repeatability	≤1%
Zero drift	≤±1%F.S./ week
Span drift	≤±1%F.S./week
Ambient temperature	5℃~45℃
Response time(T90)	<10s
Size	19" *3U*320mm
Analog interface	3-way 4-20mA output,2-way 4-20mA output
Data interface	4-way switch input; 8-way relay output
Communication Interface	1-way RS-232,1-way RS-485(Supports Mod-bus protocol)
Power	220VAC/50Hz 100W
Protection grade	IP42
Sample gas input and output interface	Ø6 Tube Fittings

KF200 SERIES LASER GAS ANALYZER

KF200 series Laser Gas Analyzer are developed aiming at the industrial on-line analyzing, environmental on-line monitoring.

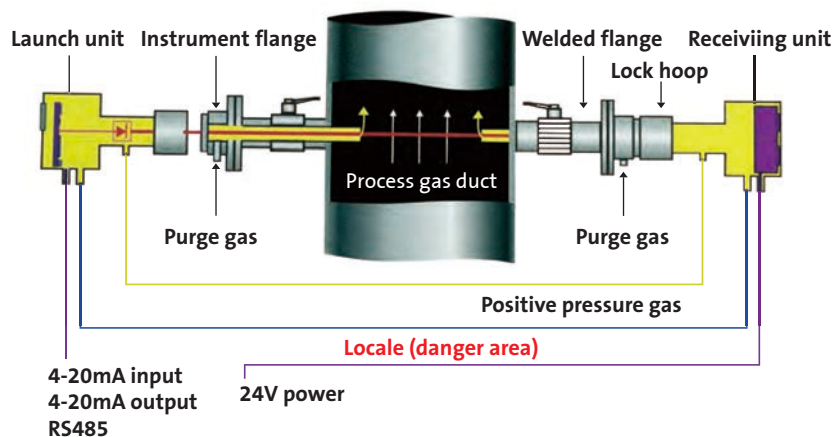
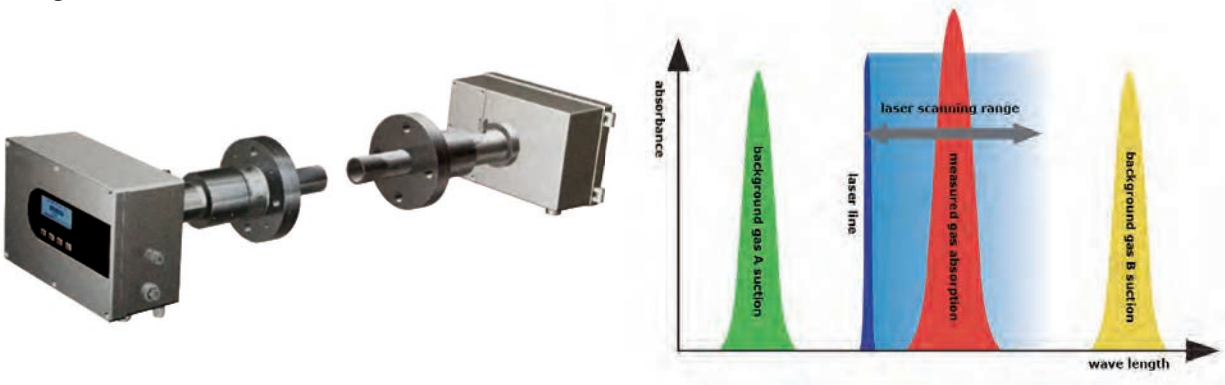
It is developed based on the semiconductor laser absorption spectroscopy(DLAS), with integrated design and high integration.

Many types of the KF200 series Laser Gas Analyzer are available, including in-situ probe, by - pass type, multi-channel and Disc mounted type etc.

Gas types like O₂ , CO , NH₃ , CO₂ , CH₄ , H₂O , HC, HF etc. can be analyzed. The concentration analyzing of target gases contains the macro-analysis and micro-analysis.

Technical Principle

Modulating laser (tunable) wavelength by using the current and temperature to scan specific absorption peak of measured gas (no background gas absorption) and then get the second harmonic of the gas absorption. Calculate the concentration of the gas with second harmonic information and broadening of the gas.



Technical Specifications

Technical Data	linearity error	$\leq \pm 1\%$ F.S.
	Span drift	$\leq \pm 1\%$ F.S./6 months
	Repeatability	$\leq 1\%$
	calibration period	≤ 1 time/6 month
	Explosion-proof Grade	Ex d IIC T6
	Protection levels	IP66
Response Time	Warming-up time	≤ 15 min
	Response time(T90)	≤ 1 s
Interface Signals	Analog outputs	2-wire 4-20mA signal input (Isolated, max. load 750 Ω)
	Relay output	3-wire relay(24V,1A)
	Digital Communication	RS485/RS232/GPRS
	Analog inputs	2-way 4-20mA input (temperature-pressure compensation)
Laser Safety Standard	GB 7247.1-2001(idt IEC 60825-1:1993)	
Operating Conditions	Storage Temperature	-30 $^{\circ}$ C ~ +60 $^{\circ}$ C
	Ambient temperature	-40 $^{\circ}$ C ~ +80 $^{\circ}$ C
	EMC	IEC 6100-4-2, IEC 6100-4-3, IEC 6100-4-4, IEC 6100-4-5, IEC 6100-4-11
	Gas jet	0.3~0.8MPa Industrial nitrogen inlet and purification instrument gases etc.
	Consumption	< 20W
	Power	24V DC(18-36V DC), 220V AC

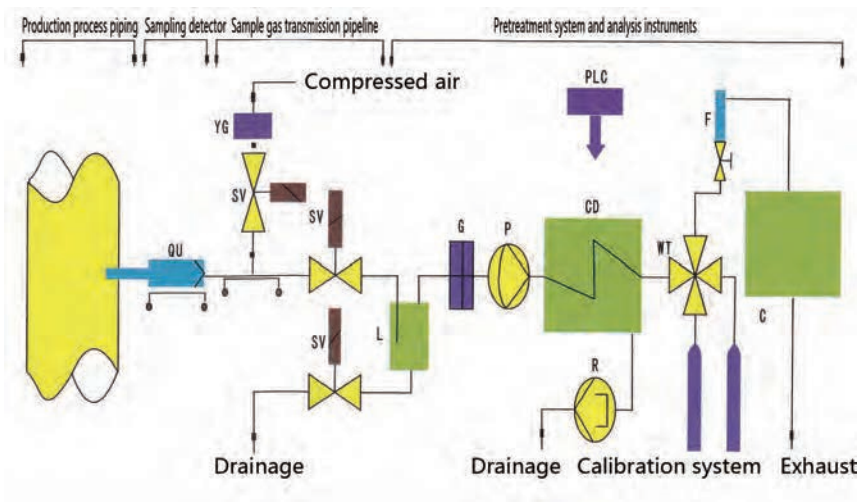
Gas Detection Limit

Detection Gas Type	Detection Limit	Detection range
O ₂	0.01%Vol.	(0-1)%Vol., (0-100)%Vol.
CO ₂	10 ppm	(0-1000)ppm,(0-100)%Vol.
H ₂ S	20 ppm	(0-2000) ppm, (0-100)%Vol.
HCl	0.1 ppm	(0-50) ppm,(0-100)%Vol.
NH ₃	0.1 ppm	(0-10) ppm, (0-100)%Vol.
C ₂ H ₂	0.1ppm	(0-10) ppm, (0-100)%Vol.
CO	10 ppm	(0-1000)ppm, (0-100)%Vol.
H ₂ O	0.3 ppm	(0-50)ppm, (0-100)%Vol.
HF	0.02 ppm	(0-5)ppm, (0-10000) ppm
HCN	0.3 ppm	(0-30)ppm, (0-1)%Vol.
CH ₄	0.4 ppm	(0-40)ppm, (0-100)%Vol.
C ₂ H ₄	0.6 ppm	(0-60)ppm, (0-100)%Vol.

Remark1: The test conditions for 1m optical path, the gas pressure 1bar, gas temperature 300K

Remark2: By increasing the optical path, proportionally lower detection limit

KF300 SERIES METALLURGICAL INDUSTRY ON-LINE MONITORING AND ANALYSIS SYSTEM



Steel and other metals smelting will produce large amounts of gas, analytical measurement of these gases, has a very important role for refineries' production optimization, energy gas recovery, energy conservation, environmental protection and security control. KF300 series on-line analysis system, without background gas cross interference, excluding the impact of dust and window contamination, fast response, is the best choice of metallurgical industrial process gas analysis.

KF300 series analysis system adopts a slightly positive pressure dustproof cabinet structure, system consists of sampling unit, pretreatment unit, analysis unit, calibration unit, PLC interlock control central unit. It is the more comprehensive dust-proof analysis system.

Application	Sampling location and analysis of components		Range	Instrument Selection
Pulverized coal injection	Pulverized coal bag outlet	O ₂	0-10%	KF300-11
		CO	0-3000ppm	KF300-61
	Coal Mill Entrance	O ₂	0-10%	KF300-11
	Coal warehouse	CO	0-3000ppm	KF300-61
Converter gas	BOF heat terminal	CO	0-80%	KF300-61
		O ₂	0-2%	KF300-11
	BOF cold terminal	CO	0-80%	KF300-61
		O ₂	0-2%	KF300-11
	Front of Gas Tank	O ₂	0-2%	KF300-11
	Back of Gas Tank	O ₂	0-2%	KF300-11
Blast furnace gas	Crude coal gas / Clear coal gas	O ₂	0-2%	KF300-11
		CO	0-2%	KF300-11
		CO ₂	0-2%	KF300-11
		CH ₄	0-2%	KF300-11
	Stove exhaust gas	O ₂	0-25%	KF300-61
		CO	0-3000ppm	KF300-11
Mixed coal gas	Homoeothermy (Calorific value analysis)	O ₂	0-40%	KF300-61
		H ₂	0-10%	KF300-11
		CH ₂	0-10%	KF300-61

KL99 SELF-CONTAINED OPEN-CIRCUIT POSITIVE PRESSURE AIR BREATHING APPARATUS (SCBA)



This positive pressure air breathing apparatuses are self-contained open circuit breathing apparatuses. This series of products, which are ideal personal breathing protectors for the fireman and emergency rescuer, are widely used in such sectors as fire fighting, chemical industry, shipping, petroleum, smelting, electricity, warehouse, lab, mine, for the firemen and emergency rescuers to perform effectually rescue and relief work under the conditions of heavy smoke, poison gas, steam and hypoxia, etc.

Technical Character

KL99 Composite cylinder

Type: KL99 Composite cylinder	Material: Carbon fiber composites
Hydrostatic pressure(Mpa): 45	Working pressure(Mpa): 30
Gas: Compressed air	Gas cylinder volume (L): 2L,3L,4.7L,6.8L,9L
Max flow(L/min): 300	Inhalation resistance(Pa): <588
Exhalation resistance(Pa): <687	Alarm pressure(Mpa): 4~6
Alarm(dB): ≥90	

KL99 Carbon Fiber Composite Cylinder

Part No.	Volume (L)	Outside Diameter (mm)	Wall Thickness (mm)	Working pressure (MPa)	Weight (Kg)	Length (mm)
KL99-C1	2.0	96	M18*1.5	30	1.5	433
KL99-C2	3.0	114	M18*1.5	30	2.1	446
KL99-C3	4.7	137	M18*1.5	30	3.0	492
KL99-C4	6.8	157	M18*1.5	30	3.9	530
KL99-C5	9.0	175	M18*1.5	30	5.3	560

KL99-FBCAR AIR CART

Configuration

- 4pcs or 2pcs carbon fibre cylinder(4.7L, 6.8L, 9L cylinder for option)
- Supplying air for 2 people at the same time, ensure long time operation.
- The cylinder can be replaced timely, which will not affect work and can effectively save time.
- MV catheter standard configurations: with leading tube length 40m, 2 branch ducts, 10m length of each branch duct.
- MV catheter can be extended to 90m according to users' demand, the air will be supplied to users smoothly and comfortably.
- Flexible connection is adopted for the connection between high-pressure hoses, so as to avoid accident and effectively prevent the damage of joints caused by collision or friction.
- The Reducer valve with large-flow output can ensure sufficient respiratory flow.
- The stainless steel cart has good anti-corrosion property.
- Unique stainless steel footbrake can make the device stop at the ground with the gradient of 30°.



Technical Specification

Performance index		4-cylinder device	2-cylinder device
Cylinder	Material	Carbon fiber composites	Carbon fiber composites
	Capacity	6.8L	6.8L
	Working pressure	30MPa	30MPa
	Quantity	4	2
Decompression valve	Input pressure	≤30MPa	≤30MPa
	Output pressure	About 0.7 M pa	About 0.7 M pa
	Maximum output flow	≥1000L/ min	≥1000L/ min
Safety valve	Opening pressure	1.1~1.7MPa	1.1~1.7MPa
	Alarm pressure	5.5±0.5MPa	5.5±0.5MPa
Regulator	Maximum dynamic inhalation resistance	500Pa	500Pa
Medium-pressure hose	Length	Standard configuration: 50m; ≤90m at most	Standard configuration: 50m; ≤90m at most
Packing measurement	External dimension (length*width*height)	900x1000x520mm	900x970x520mm
	Weight	81.2kg	71.5kg

KL99-EEBD EMERGENCY ESCAPE BREATHING DEVICE



Key Feature

- Light and convenient for operation
- Demand type; can be reused
- Y-type design; cylinder valve with gauge; normal pressure indication
- Prevent accident from occurring during emergency escape and keep sufficient air supply
- Carbon fiber air cylinder; working pressure: 30MPa; 2L/3L- air cylinder is optional
- PG-S pressure Gauge can make the storage volume in the bottle read clearly under a complex and dark environment.
- It can be carried by shoulders, which can make the hands perform other protection operation for escape.
- Not affected by dense smoke and external severe environment.
- The service time is 15-25 min, which can make relevant personnel quickly evacuate from the dangerous environment
- Safe and reliable; it is a kind of important escape unit used in dangerous environment

Technical Specification

Cylinder Vol.	W.P of air cylinder	Max. air supply flow	Respiratory resistance		Alarm pressure	W.T of complete appliance	Service time for ref.
			Exhalation	Inhalation			
2.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5 M Pa	3.0KG	20 min
3.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5 M Pa	3.8KG	30 min

- Remark1: The weight of complete unit is based on lightest configuration.
- Remark2: The service time is calculated based on medium work intensity (respiratory capacity: 30 L/min).

KL99-LT SERIES ELECTRIC LONG TUBE SUPPLIED AIR RESPIRATOR

KL99-LT series electric long tube supplied air respirator is the device used to avoid inhaling harmful gases, dust, smoke and other pollutants and protect users from lack of oxygen.

KL99-LT series device is widely applied in fields of chemical, petrochemical, pharmaceutical industry, gas, urban underground construction and other industries.

The KL99-LT4 electric long tube supplied air respirator consists of full face mask, waist belt, hose and blower.

Features

- 1) Fresh air is supplied to user with blower through a long non - toxic, tasteless tube to protect personal safety.
- 2) No time-limit
- 3) Blower provides air continuously to the face, keeping a higher pressure than the atmospheric pressure. It will prevent mask from harmful gases penetration.
- 4) 220V AC power supply.

Technical Specification

Mode: KL99-LT

Flow Rate: >100L/Min

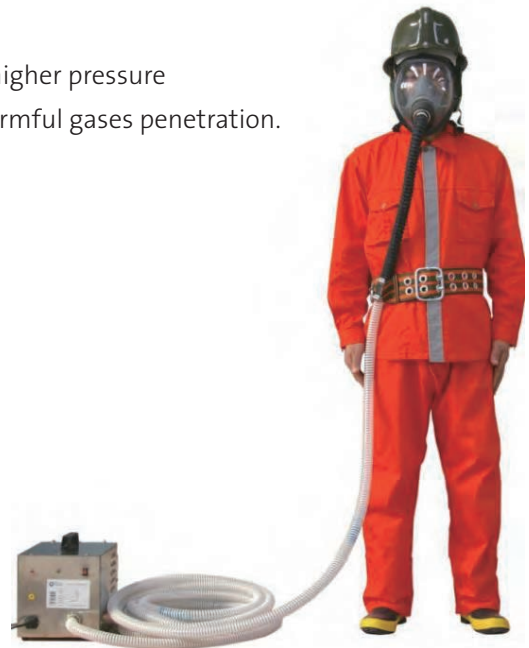
Air Pressure: >1000Pa

Leakage Rate: <0.10

Power Rating: 180W

Voltage Rating: 220V AC

User Number: 1, 2, 3, 4 (according to customers demand)



COMMONLY DETECTION GAS TYPES LIST

No.	Gas detection	Detection range	Detection accuracy	Tgo response time	Resolution	Alarm set point (low/high)
1	PH ₃	0-5ppm	±5%(F.S)	≤25s	0.01ppm	0.3ppm/5ppm
2	O ₂	0-30%Vol	±5%(F.S)	≤15s	0.1%Vol	18.0%Vol/23.0%Vol
3	EX	0-100%LEL	±5%(F.S)	≤15s	1%LEL	25%LEL/50%LEL
4	CO	0-2000ppm	±5%(F.S)	≤25s	1ppm	50ppm/100ppm
5	H ₂ S	0-100ppm	±5%(F.S)	≤30s	1ppm	10ppm/20ppm
6	NO ₂	0-20ppm	±5%(F.S)	≤25s	0.1ppm	3ppm/10ppm
7	NO	0-250ppm	±5%(F.S)	≤60s	1ppm	25ppm/50ppm
8	SO ₂	0-100ppm	±5%(F.S)	≤30s	0.1ppm	2ppm/10ppm
9	CL ₂	0-20ppm	±5%(F.S)	≤30s	0.1ppm	1ppm/10ppm
10	NH ₃	0-200ppm	±5%(F.S)	≤50s	1ppm	25ppm/50ppm
11	H ₂	0-1000ppm	±5%(F.S)	≤60s	1ppm	50ppm/100ppm
12	HCN	0-50ppm	±5%(F.S)	≤200s	0.1ppm	10ppm/20ppm
13	HCL	0-20ppm	±5%(F.S)	≤60s	0.1ppm	5ppm/10ppm
14	CH ₄	0-5%Vol	±5%(F.S)	≤60s	0.01%Vol	customize
15	CO ₂	0-5% Vol (0-5000ppm)	±5%(F.S)	≤60s	0.01%Vol (1ppm)	customize
16	PID(VOCs)	1-1999ppm	±5%(F.S)	≤20s	0.1ppm	customize
17	C ₃ H ₈	0-5%Vol	±5%(F.S)	≤60s	0.01%Vol	customize

REMARK: Customized alarm setting points and detection ranges are also available.



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