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NANJING KELISAIKE SAFETY EQUIPMENT CO., LTD



COMPANY PROFILE

Nanjing KELISAIKE Safety Equipment Co., Ltd. is one of the largest safety equipment manufacturers in China, possessing the most complete product range and specifications in the safety equipment industry. Founded in 2004, Nanjing KELISAIKE has three subsidiaries in Beijing, Xi'an and Xinjiang, and over 30 domestic sales service centers across China.

The main products include the K60 series portable single gas detectors, K60-V series multi-gas detectors, K800 series fixed gas transmitters, K500 series wall-mounted gas detectors, K1000 series gas detector control panel units, KL99 series air breathing apparatuses, KF series online gas analyzer etc. Nanjing KELISAIKE also has rich experience in OEM,ODM service, providing customers with professional design and manufacturing of customized products. The company's products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas supply, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

As a leading enterprise in technology innovation, Nanjing KELISAIKE is committed to developing core competencies by continuous technology research. The company has a team of professional and technical personnel, including more than ten senior technicians and experts, who master quite many core technologies.

Nanjing KELISAIKE has passed ISO 9001 International Quality System Certification. With the guidance and tools of the standard, the company can not only ensure that all the company's products and services consistently meet customer's requirements, but also that the quality of the products and services will be consistently improved.

KELISAIKE Faith

People-oriented and technology-driven

KELISAIKE Principle

Quality first, integrity-based



CONTENTS

Gas detector:

K60 Series Portable Gas Detector	03
K60-V Multi-Gas Detector (PID)	04
K800 Fixed Gas Detector/K800IR Fixed Infrared Gas Detector	06
K500 Wall-mounted Gas Detector	07
K1000 Series Gas Detector Controller	08

Online analyzer:

KF100 Series Flue Gas Ultraviolet Analyzer	10
WT-QY800 Continuous Emissions Monitoring System (CEMS)	11
KF200 Series Laser Gas Analyzer	12
KF300 Series Metallurgical Industry on-line Monitoring and Analysis system	14

Personal protective equipment:

KL99 SCBA	16
KL99-EEBD Emergency Escape Breathing Device	17
KL99-FBCAR Air Cart	19
KL99-LT series Electric Long Tube Supplied Air Respirator	20

List of Commonly Detected Gas Types	21
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K60 Series Portable Gas Detector

The K60 series gas detector is a full featured device with unequalled cost efficiency. The detector is warranted for one year and maintenance free, including a battery replacement service.

Key Features

- 1) Imported world famous sensors with high sensitivity
- 2) Lightweight and compact design (less than 120 g), easy to operate
- 3) Bright red flashing visual alarm
- 4) 90 dB audible vibration alarm
- 5) Excellent built-in vibration alarm, ideal for environments with high ambient noises
- 6) Sturdy, concussion-proof protective design for normal working in harsh environments
- 7) 3.0 V lithium battery, continuously working for about 24 months (non-alarming state)
- 8) 2+2 digits LCD display showing gas concentration in real time.
- 9) Certifications: CE, CMC, Ex, MA (Safety Certificate Of Approval For Coal Mining Products In China)

Technical Specification

Dimension: 109 L x 56 W x 38 H mm
Weight: 120 g
Sampling: Diffusion
Working Temperature: -20° C ~ +55° C
Relative Humidity : 15%~90% RH (non-condensing)
Power: 3 V Lithium battery
Service Life: 2 years
Display: LCD display
Pressure: 86~106 Kpa
Alarm Mode: Acousto optic alarm with vibration
Explosion-proof Grade: Ex ib IIC T3



K60-V Multi-Gas Detector (PID)

The K60-IV and K60-V series are compact full-featured gas detectors for detecting up to four and five types of gases respectively, typically oxygen, combustible gas, hydrogen sulfide, carbon monoxide and VOCs (K60-V). The key features include an easy-to-operate design, a water-resistant case and high sensitivity sensors.



Key Features

- 1) Lightweight (less than 300 g) with compact design, easy to operate
- 2) Excellent built-in vibration alarm, ideal for environments with high ambient noises
- 3) 90 dB audible vibration alarm
- 4) Sturdy, protective, concussion-proof shockproof design for normal working in harsh environments
- 5) Easy access to pump, sensors, filter and battery compartment without exposing electronic components to potential damage
- 6) The rechargeable lithium battery ensures an over 10 hours continuously operation (equipped with a recharger)
- 7) Intuitive simple-to-operate buttons
- 8) User interface with a built-in pump
- 9) 2+2 digits LCD display showing gas concentration and corresponding gas types in real time.
- 10) Full-featured self-test for sensors, lithium battery, circuit integrity and acousto-optic vibration alarm function.
- 11) Accessories: an operator manual, a calibration hose, a recharger and conversion plug.



Technical Specification

Dimension: 132L x 70W x 38H mm

Weight: Approx. 300g

Sampling: Pump, diffusion

Working Temperature: -10 °C ~ +40 °C

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

Power:

3.7 V rechargeable lithium battery with over 10 hours of continuous working life (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

IP grade: IP 67

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	0-1999 ppm	1 ppm	T90≤25s
H ₂ S	0-100 ppm	0.1 ppm	T90≤30s
PID(VOCs< 10.6 eV)	0-1999.9 ppm	0.1 ppm	T90≤20s

K800 Fixed Gas Detector/K800IR Fixed Infrared Gas Detector



Non-display



Display



Display with acousto-optic alarm

The K800 series fixed gas detector, with 2, 3 or 4 wires connection, 4-20 mA RS485 Modbus output, provides continuous detection and monitoring of gases for a wide range of industrial environments. With an in-built alarms and fault relays, it is suitable for safety protection of personnel and plant from flammable, toxic and oxygen gases.

Key Features

- 1) Digital and analogue outputs
- 2) LED status indicator light for alarm conditions
- 3) High sensitivity sensor without oxygen-dependence (K800IR)
- 4) The relay can trigger alarms or process control system
- 5) Three models available for measuring toxic gases, VOCs, or combustible gases
- 6) Explosion-proof case
- 7) Certifications: CE, CMC, Ex, MA (Safety Certificate Of Approval For Coal Mining Products In China).

Technical Specification

Weight: 1.8kg	Sampling: Diffusion
Working Temperature: -20° C ~ +55° C	Relative Humidity: 15%~90% RH (non-condensing)
Power: 24V DC	Service Life: 2 years
Display: 4-digit LED display	Pressure: 86~106Kpa
Alarm Mode: Acousto optic alarm	Wiring: 2, 3 or 4 wires
Enclosure: Aluminum alloy and stainless steel	Explosion-proof Grade: Exd IIC T6

K500 Series Wall-mounted Gas Detector

The K500 Series Wall-mounted Gas Detector, made with imported high sensitivity sensors and an explosion-proof design, has a long service life. This wall mounted gas detector works as part of an integrated system (with 4-20 mA analogue output) or only as an independent system. It has two alarm levels (high level & low level), with different audible and visual alarm signals.



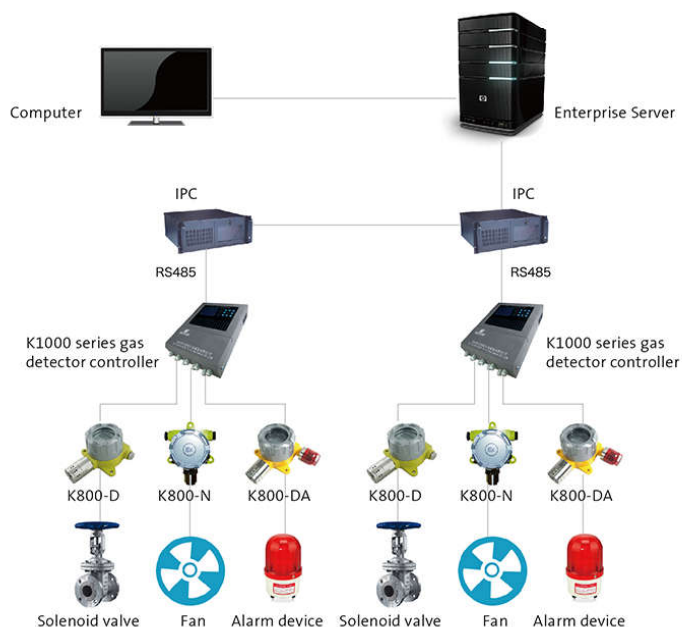
Key Features

- 1) Imported world famous high sensitivity sensors
- 2) On-spot bright red flashing visual alarm and loud 90 dB audible alarm
- 3) Waterproof and dustproof design for normal and continuous working in harsh environments
- 4) Compatible with DCS (Distributed Control System)
- 5) Flameproof design according to IEC61508, easy to install and maintain
- 6) Adjustable alarm values, with low and high alarm levels
- 7) 220 V AC or 24 V DC power supply, 4-20 mA analogue output, three core shield cable, DCS system
- 8) Certifications: CMC, Ex, MA (Safety Certificate Of Approval For Coal Mining Products In China)

Technical Specification

Weight: 3.5 kg	Sampling: Diffusion
Working Temperature: -20° C ~ +55° C	Relative Humidity: 15%~90% RH (non-condensing)
Power: 220V AC/24V DC	Service Life: 2 years
Display: 4-digit LED display	Pressure: 86~106 Kpa
Alarm Mode: Acousto optic alarm	Transmission Distance: MAX.1000m
Wiring: 3-core shield cable, 3 x1.0mm	Enclosure: Aluminum alloy and stainless steel
Explosion-proof Grade: Ex d IIC T6	

K1000 Series Gas Detector Controller



The 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 detection. The controller, which is applicable to hazardous areas, is easy to install and features a large graphical LCD display and a non-intrusive user interface.

Key Features

- 1) Up to 4, 8, 16 and 32 inputs from either 4–20 mA or Modbus transmitters
- 2) 24V DC internal power supply provides a 15 watts total system power; optional 150 watts supply available
- 3) Modbus RS-485 serial ports for simultaneous master/slave operation
- 4) Two independent alarm levels per channel. "Relay Acknowledge" feature allows silencing external audible alarm devices in existing alarm conditions
- 5) Standard common alarm relays for HORN, HIGH and WARN
- 6) Wall-mounted installation design
- 7) A graphical 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: $\pm 0.2\%$
Historic Recording: Fault or alarm records for 2000pcs (for 16-channel only)
Communication Mode: RS-485
Communication Range: Up to 1000 m, without relay
Communication Medium: STP
AC Power: 220VAC, 50/60Hz (Tolerance 100~240 V AC)
Power: 300W
Operation Temperature: $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$
Operation Humidity: <95% RH (non-condensing)
Pressure: 86~106kPa