




**Your Best Partner in Gas Appliances  
& Equipment Supplies**


# POTABLE GAS DETECTOR CATALOGUE

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# **TECNOCONTROL EASYGAS WEARABLE GAS DETECTOR**



# TECNOCONTROL EASYGAS

## About Us

Tecnocontrol, founded in 1967, delivers precision, safety, and control through advanced solutions for gas detection, combustion analysis, and gas-train systems. Proudly 100% Made in Italy, all products are designed and manufactured in-house. As part of the CPF Group, Tecnocontrol serves over 90 countries worldwide.

## Innovative Technology

The EASYGAS single-gas detector combines high-performance sensors and advanced signal processing to reliably detect over 18 gases, even in extreme conditions. Its extra-large LCD ensures clear real-time readings, while IP68 waterproof and dustproof construction makes it durable in harsh environments. With ultra-low power consumption, it offers over two years of battery life, and its lightweight, compact, wearable design with a simple one-button operation ensures ease and comfort during extended use.

## EasyGas

EASYGAS is your ideal shield against the dangers of toxic or asphyxiating gases, essential when entering confined and industrial areas in general.

“EASYGAS – Power, Precision, Protection in Your Pocket”

## Technical Specifications

Size	66x69x24 mm (w/o clip) / 66x69x41 mm (w clip) - 2.59x2.71x0.94 in / 2.59x2.71x1.61 in
Weight	105g (w/belt clip) - 3.70 oz
Humidity	0% to 95% RH (non-condensing)
Display	FSTN LCD display - 1.6inch
IP Rating	IP68
Alarm	Visual alarm (LEDs), vibrating alarm, audible alarm (Buzzer; 100B@10cm): low, high, TWA, STEL
User Options	Peak, TWA and STEL reset, adjustable alarm setpoints, alarm latching On/Off, adjustment of calibration and bump test interval, zero and gas calibration
Self-Test	Breakdown of sensor and circuitry, Battery
Battery	Lithium battery size 2/3 AA 3.6V - 1,65 Ah: 24 months (TBC) - Replaceable
Approvals	ATEX: Ex II 1G Ex ia IIC T4 Ga (-40°CSTa≤60°C) KCs: Ex ia IIC T4 IECEX: Ex ia IIC T4 Ga



# **COMET JL270 PORTABLE GAS DETECTOR**

## JL270 Portable Gas Leak Detector

The **Hanwei JL270** is a portable gas leak detector designed to quickly detect and locate leaks of flammable gases such as methane, LPG, and hydrogen with high sensitivity. It provides real-time alerts through visual and audible signals, helping users identify leak points quickly and ensure safety in industrial and commercial environments

### FEATURES

- ✓ High-definition OLED display
- ✓ Rapid detection of flammable gas leak points
- ✓ Extended flexible probe, adjustable units
- ✓ Sensor fault detection function
- ✓ Fast warm-up, rapid response time
- ✓ Audio prompt signal with frequency varying with concentration
- ✓ Automatic zero adjustment, convenient and quick
- ✓ Automatic power-off after prolonged non-use
- ✓ Maximum concentration auto-lock function
- ✓ Black bar displays the real-time ratio of gas concentration reaching the full scale

### APPLICATION

Daily inspection and maintenance of the gas pipelines by the gas companies. It is also suitable for industrial safety applications such as petroleum, chemical plants, fire safety, and emergency leak detection, ensuring personnel and equipment protection.



Sensor principle	Catalytic, Electrochemical, Infrared
Detection Method	Natural diffusion type
Sensor type	Semi-conduct sensor
Sensor Channels	1
Measuring gas	Natural gas (CH <sub>4</sub> ), LPG (C <sub>3</sub> H <sub>8</sub> ), H <sub>2</sub>
Measuring range	CH <sub>4</sub> : 0 – 10000ppm C <sub>3</sub> H <sub>8</sub> : - 20000ppm H <sub>2</sub> : 0 – 30000ppm
Indication error	±:5% LEL
Indication method	Display screen, LED indicator, sound indicator
Operating environment	Rated operating temperature: 15°C – 35°C Withstand temperature: -25°C – 55°C Storage temperature: 0°C – 40°C Humidity: ≤ 95% RH, no condensation Atmospheric pressure: 86 kPa – 106 kPa
Operating voltage	3.7VDC (Rechargeable Lithium Battery)
Operating time	≥ 8 hours continuous (20°C, non-alarm state)
Protection level	IP66
Explosion-proof Mark	Ex ib IIC T3 Gb, Ex ib IIIC T195°C Db
Explosion-proof certificate no	CNEx25.0902X
Dimension	97mm x 53mm x 22.5mm
Storage period	6 months
Dimensions	180mm x 52mm x 32mm (excluding probe)



# **COMET JL269 PORTABLE GAS DETECTOR**

## JL269 Portable Gas Leak Detector

### FEATURES

- Fast response and resume
- Flexible gooseneck and adjustable display unit
- Battery low voltage alert
- LED or LCD display (optional)
- Sensor fault detection
- Automatic zero calibration
- Audible alarm signal with variable frequency

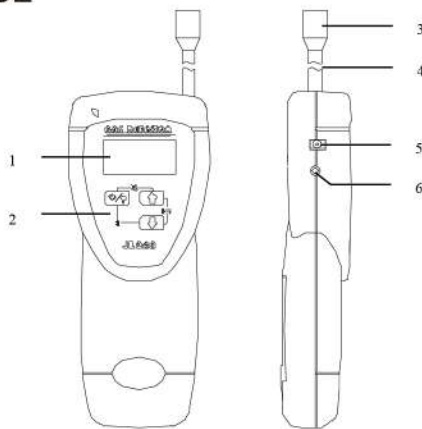
### APPLICATION

Daily inspection and maintenance of the gas pipelines by the gas companies



JL269 (LCD) is a industrial type portable gas leak detector with high sensitivity and wide detecting range, it can detect about 10 types of combustible gases. It has small size, simple operation, and easy to carry, with a lengthened flexible probe, it also has good resistance to shock. It can be used to detect methane, natural gas, propane, LPG, Hydrogen and other combustible gases and can help you to find the gas leaking sources easily.

### APPEARANCE



- |                    |                    |
|--------------------|--------------------|
| 1. LCD screen      | 4. Gooseneck       |
| 2. Button          | 5. Charge terminal |
| 3. Sensor assembly | 6. Earphone input  |

### SPECIFICATIONS

Measuring gas	Natural gas (CH <sub>4</sub> ), LPG (C <sub>3</sub> H <sub>8</sub> ), H <sub>2</sub>	Operating temperature	-10 ~ 55°C
Measuring gas range	CH <sub>4</sub> : 0-30000ppm C <sub>3</sub> H <sub>8</sub> : 0-20000ppm H <sub>2</sub> : 10000ppm	Operating humidity	< 93%RH (no condensation)
		Operating power	DC3.6V 2100mAh rechargeable Ni-MH battery
Sensitivity	Better than 50ppm	Alarm method	Visual and audible signal
Response time	T <sub>90</sub> <5s	Sensor lifespan	2 years
Measuring type	Diffuse naturally	Dimension and weight	180*mm72mm*36mm, about 300g
Working time	More than 8 hours (no alarming status) continuously		



# **HANWEI E110 PORTABLE SINGLE GAS DETECTOR**

## Hanwei E110 Portable Single Gas Detector

E110 is an intrinsically safe portable gas detector that can continuously detect the concentration of combustible gases, toxic gases, or oxygen. It is suitable for explosion-proof, toxic gas leakage rescue, underground pipelines and other places, and can effectively ensure that the life safety of workers is not violated, and production equipment is not damaged.

### FEATURES

- ✓ ATEX and IECEx approved
- ✓ Advanced ultra-low power MCU
- ✓ Ultra wide viewing-angle graphic LCD display
- ✓ Self-check of combustible gas sensor fault
- ✓ Battery low voltage alert
- ✓ Real-time clock display
- ✓ Automatic calibration function to reduce detection errors
- ✓ Audible, visual, and vibration alarming signals

### APPLICATION

The **Hanwei E110 Portable Single Gas Detector** is widely used in industries such as petroleum, chemical, mining, and underground pipelines for detecting gas leaks and ensuring worker safety. It is especially suitable for hazardous environments like confined spaces and explosion-prone areas, helping prevent accidents and protect equipment..



Sensor principle	Catalytic, Electrochemical, Infrared
Sensor type	Electrochemical (include Toxic Gas Sensor and O2 Sensor), NDIR Sensor, PID Sensor
Display deviation	CO: Absolute deviation: $\pm 5$ ppm Relative deviation: $\pm 10\%$ H2S: Absolute deviation: $\pm 2$ ppm Relative deviation: $\pm 10\%$ O2: $\pm 2\%$ F.S Others: $\pm 5\%$ F.S
Indication method	LCD screen display of real-time data and system status; Visual/ audible/ vibration indication of alarm, fault and low voltage
Comm. method	USB cable (optional)
Working environment	Temperature: $-20^{\circ}\text{C} + 55^{\circ}\text{C}$ Humidity: $< 95\% \text{RH}$ (no condensation) Air pressure: $90\text{kPa} - 110\text{kPa}$
Power source	DC 3.7V (604050) rechargeable Lithium
Working time	$\geq 8\text{h}$ (continuous working after full charge; @ $20^{\circ}\text{C}$ no alarming state)
Sensor lifespan	2 Years
Ingress protection	IP66 / IP67
Ex-proof grade	Ex ia op is IIC T4 Ga, when the sensor is NDIR Sensor; Ex ia IIC T4 Ga, when the sensor is not NDIR Sensor
Certificate	IECEX XSA 25.0094X CSANe 25ATEX1234X
Dimension	97mm x 53mm x 22.5mm



# **HANWEI E410 PORTABLE MULTI GAS DETECTOR**

## Hanwei E410/E410P Portable Multi-Gas Detector

It is compact and reliable device that detects up to 5 gases simultaneously to ensure workplace safety across various industries. It features flexible sampling modes and optional wireless connectivity for efficient, real-time monitoring in different environments.

### FEATURES

- ✔ The product is sturdy and durable, suitable for one handed grip operation
- ✔ Support various sensors such as infrared, electrochemical and PID, which can meet more than 10 gas detection needs
- ✔ Support O2 sensor with a service life of 5 years
- ✔ Supports dual-sensor (CO and H2S)
- ✔ Equipped with a 2.5-inch LCD screen
- ✔ Large capacity lithium batteries

### APPLICATION

The Hanwei E410/E410P is designed for industries like oil & gas, chemical, food, and emergency response, offering reliable detection of up to 5 gases at once. It supports optional Bluetooth and 4G for remote monitoring, enhancing worker safety. With both diffusion and pump sampling modes, it adapts easily to different environments, from routine checks to confined spaces.



### APPLICATION SCENARIOS



Petroleum and Petrochemicals



Offshore Platform



Industrial Waste Gas

<b>Sensor principle</b>	<b>Catalytic, Electrochemical, Infrared</b>
Sampling method	Diffusion type E410/ Pumped type E410P
Sensor channel	≤4
Ex grade	Ex ib IIC T4 Gb/ Ex ib IIC T130°C Db
Dimension	122.5 (H) x 68 (W) x 30.5 (D) mm (without clip)
Detection principle	E410 ≥ 14h, E410P ≥ 12h
IP class	E410 IP67, E410P IP66
Weight	E410 204g, E410P 228g
Indication method	LCD displays real-time data and detector status Visual/ audible/ vibrative alarming signals for gas leakage, low battery voltage, over range, sensor fault etc
Ambient condition	Temperature: 20°C - 55°C Humidity: <95%RH (No condensation) Air pressure: 90kPa – 110 kPa



# **COMET BX176 PORTABLE SINGLE GAS DETECTOR**

## BX176 Portable Single Gas Detector

### FEATURES

- Intrinsically safe
- Visual and audible alarm
- STEL and TWA alarm for toxic gases
- Adjustable alarm levels and span calibration value
- Password management
- Self-test after power on
- Self-diagnostic and self-correction function

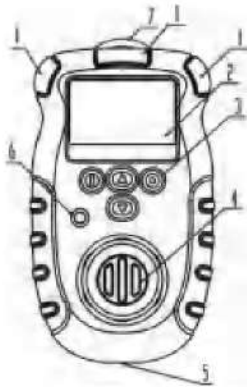


### APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works etc.

BX176 portable single gas detector (hereinafter referred to as the detector) is an intrinsically safe equipment which can do continuous detecting to combustible gases and toxic gases. It is suitable for combustible and toxic gas leakage detection in underground pipes or mines, it effectively prevents the staffs' life safety from being harmed, and the facilities from being destroyed.

### STRUCTURE



- |                     |                          |
|---------------------|--------------------------|
| 1. Alarm light      | 5. Charge/data interface |
| 2. LCD screen       | 6. Buzzer sound hole     |
| 3. Button           | 7. Buckle                |
| 4. Gas sensing hole |                          |

### SPECIFICATIONS Note: For detecting other gases, please refer to our gas list.

Measuring gas	O <sub>2</sub>	CO	H <sub>2</sub> S	Combustible	Event log	2000 events
Measuring range	0-25%VOL	0-500ppm	0-100ppm	0-100%LEL	Working temperature	Toxic gases: -20°C ~ 50°C Combustible: -40°C ~ 70°C
Sensor type	Electrochemical			Catalytic		WorkinAg humidity
Measuring type	Diffuse naturally				Housing	Rubber enclosure
Response time	T <sub>90</sub> < 30s				Standard accessories	Operation manual, calibration cap, charger, screwdriver
Display	LCD screen					
Audible	≥80dB at 1m				Optional function	Data upload through USB cable
Alarm method	Visual, audible and vibrative signals				Dimension & weight	104mm*61mm*31mm, about 140g
Battery	DC3V 1300mAh Lithium battery				Ex grade	Ex ia IIC T3
Operating life	Toxic gases: ≥300h per charge Combustible: ≥8h per charge				Ingress protection	IP65



# **COMET BX616 PORTABLE MULTI- GAS DETECTOR**



## BX616 Portable Multi-gas Detector

### FEATURES

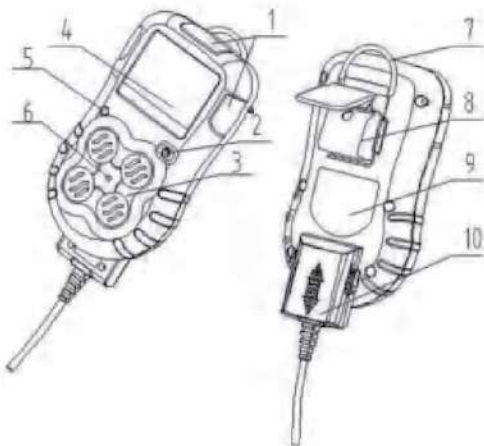
- Small size and light-weight
- Simple operation with only 1 button
- Adjustable alarm levels and span calibration value
- STEL and TWA alarm for toxic gases
- Self protection for combustible gas sensor against high concentration
- Battery low voltage alert
- Confidence beep
- Self-test after power on
- Self-diagnostic and self-correction function

### APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works, confined spaces etc.


BX616 is a multi-gas detector which can detect the combustible gases, O<sub>2</sub>, CO and H<sub>2</sub>S gases in the air. Its functional and watertight design (IP 66) incorporates a Bump proof, rubberized housing to meet the toughest requirement of harsh environment like underground tunnels, mines etc.

### APPEARANCE



- |                    |                                  |
|--------------------|----------------------------------|
| 1. Alarm indicator | 6. Calibration cap fasten hole   |
| 2. Button          | 7. Hand strap                    |
| 3. Sensor channel  | 8. alligator clip                |
| 4. Display screen  | 9. Label                         |
| 5. Buzzer          | 10. charging/ communication port |

### SPECIFICATIONS

Measuring gas	O <sub>2</sub>	CO	H <sub>2</sub> S	Combustible	Working temperature	Toxic gases: -20°C ~ 50°C Combustible: -40°C ~ 70°C
Measuring range	0-25%VOL	0-500ppm	0-100ppm	0-100%LEL		WorkinAg humidity
Sensor type	Electrochemical			Catalytic	Housing	Rubber enclosure
Measuring type	Diffuse naturally				Standard accessories	Operation manual, calibration cap, charger, screwdriver, USB cable
Response time	T <sub>90</sub> <30s					
Display	LCD screen				Ingress protection	IP66
Audible	≥80dB at 1m				Ex grade	 II 2G Ex ia IIC T4 Ga or II 2G Ex db ia IIC T4 Gb
Alarm method	Visual, audible and vibrative signals					
Battery	DC3.7V 1800mAh Lithium battery					
Operating life	≥8h per charge (Charging time: 4-6h)					
Event log	2000 events					



# **COMET E1000 PORTABLE SINGLE GAS DETECTOR**



## E1000 Portable Single Gas Detector

### FEATURES

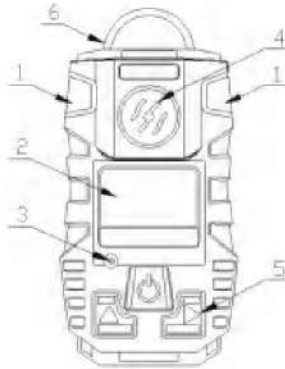
- Interchangeable smart sensor module
- Intrinsically safe
- Visual, audible and vibrative alarm
- Adjustable alarm levels and span calibration value
- STEL and TWA alarm for toxic gases
- Password management
- Real-time clock
- Self-test after power on
- Self-diagnostic and self-correction function

### APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works etc.

E1000 is a rechargeable single gas detector and is suitable for monitoring the gas concentration of flammable gas, O<sub>2</sub> and toxic gases in the environment. It measures a gas continuously and displays its concentration and raises an alarm when a risk occurs. By adopting smart sensor module, it's easy for replacement and maintenance by the user himself.

### APPEARANCE



- |                |                |
|----------------|----------------|
| 1. Alarm light | 4. Sensor Port |
| 2. LCD Screen  | 5. Button      |
| 3. Buzzer port | 6. Buckle      |

### SPECIFICATIONS Note: For detecting other gases, please refer to our gas list.

Measuring gas	O <sub>2</sub>	CO	H <sub>2</sub> S	Combustible	Event log	10000 events
Measuring range	0-25%VOL	0-500ppm	0-100ppm	0-100%LEL	Working temperature	Toxic gases: -20°C ~ 50°C Combustible: -40°C ~ 70°C
Sensor type	Electrochemical			Catalytic	WorkinAg humidity	<95%RH (no condensation)
Measuring type	Diffuse naturally				Housing	Rubber enclosure
Response time	T <sub>90</sub> <30s				Standard accessories	Operation manual, calibration cap, charger, screwdriver
Display	LCD screen				Optional function	Data upload through USB cable
Audible	≥80dB at 1m				Dimension	108mm*61mm*36mm
Alarm method	Visual, audible and vibrative signals				Weight	About 190g
Battery	DC3.7V 1800mAh Lithium battery				Ex grade	Ex ib IIC T4
Operating life	Toxic gases: ≥300h per charge Combustible: ≥8h per charge				Ingress protection	IP66
Charging time	4-6h					



# **COMET E4000 PORTABLE MULTI GAS DETECTOR**

## E4000 Portable Multi-gas Detector

### FEATURES

- Interchangeable smart sensor module
- GPS, GPRS and man down function (optional)
- MOS, catalytic, electrochemical, infrared, PID sensors selectable
- Built-in sampling pump (optional)
- Adjustable alarm levels and span calibration value
- Self-diagnostic and self-correction function
- Intrinsically safe
- STEL and TWA alarm for toxic gases
- Password management
- Real-time clock
- Self-test after power on
- Visual, audible and vibrative alarm



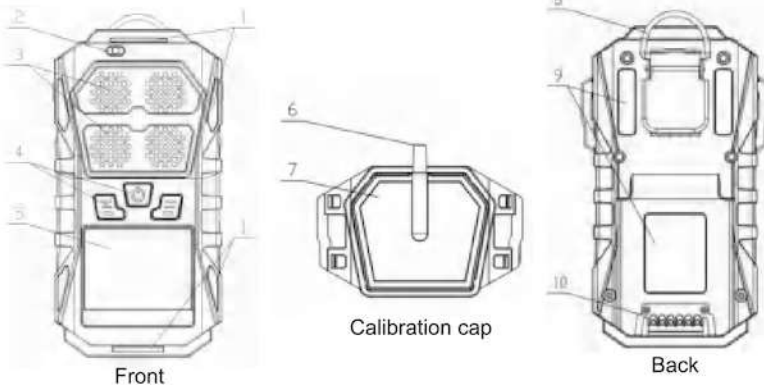
### APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works, confined spaces etc.

E4000 portable multi gas detector (hereunder as the detector), is an intrinsically instrument that can continuously detect the concentration of combustible gases and toxic gases. It is applicable to explosion proof, toxic gas leak rescue, underground pipeline or mines and other places. It could Effectively ensure the safety of staff life without infringement, and production equipment is not subject to loss.

The detector adopts natural diffusion method to detect gas, It has high strength engineering plastics and composite with antiskid rubber housing, good hand-feeling, and water-proof and dust-proof.

### APPEARANCE



- |                |                       |
|----------------|-----------------------|
| 1. Alarm light | 6. Ventage            |
| 2. Buzzer      | 7. Calibration cap    |
| 3. Sensor      | 8. Alligator          |
| 4. Button      | 9. Label              |
| 5. LCD screen  | 10. Charging terminal |

### SPECIFICATIONS Note: For detecting other gases, please refer to our gas list.

Measuring gas	O2	CO	H2S	Combustible	Event log	100,000 events
Measuring range	0-25%VOL	0-500ppm	0-100ppm	0-100%LEL	Working temperature	Toxic gases: -20°C ~ 50°C Combustible: -40°C ~ 70°C
Sensor type	Electrochemical			Catalytic		
Measuring type	Diffuse naturally (pump sampling if pump is selected)				Working humidity	<95%RH (no condensation)
Response time	T <sub>90</sub> <30s				Housing	Rubber enclosure
Display	LCD screen				Standard accessories	Operation manual, calibration cap, charger, screwdriver, USB cable
Audible	≥85dB at 1m					
Alarm method	Visual, audible and vibrative signals				Dimension & weight	147mm*76mm*37mm, about 350g
Battery	DC3.7V 6600mAh Lithium battery				Ingress protection	IP66
Operating life	8 to 300h (depends on the gas integration)				Ex grade	Ex ia IIC T4 Gb