



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

FIXED GAS DETECTOR CATALOGUE



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C-EX230 FIXED GAS DETECTOR ALARM


 COMeT

C-EX230 FIX GAS DETECTOR ALARM

INTRODUCTION

The C-EX230 Fixed Gas Detector Alarm is a safety device designed to continuously monitor the presence of combustible gases in industrial or commercial environments. It detects gas concentration in the air and provides alarms when the gas level exceeds the preset safety threshold, allowing operators to take immediate action to prevent hazards such as leaks, fires, or explosions. Fixed gas detectors are commonly installed in areas like boiler rooms, gas storage areas, and industrial facilities to ensure continuous gas monitoring and workplace safety.

Number	Part Name
1	Observation Window
2	Plug
3	Top Cover
4	Detector Body Base
5	Mounting Holes
6	Gas Inlet

Features:

- ✓ Power Supply Operating 230Vac
- ✓ Protection Rating: IP66
- ✓ Output signal: Dry Contact Relay
- ✓ Explosion-proof connection thread: G1/2 (internal pipe thread)
- ✓ Product dimensions: 160mm × 145mm × 97mmn
- ✓ Weight: Approximately 2 kg
- ✓ Explosion-proof rating: Ex db IIc T 6 Gb
- ✓ Suruhanjaya Tenaga Approval





COMET GD SERIES GAS DETECTOR

Comet GD Series Gas Detector

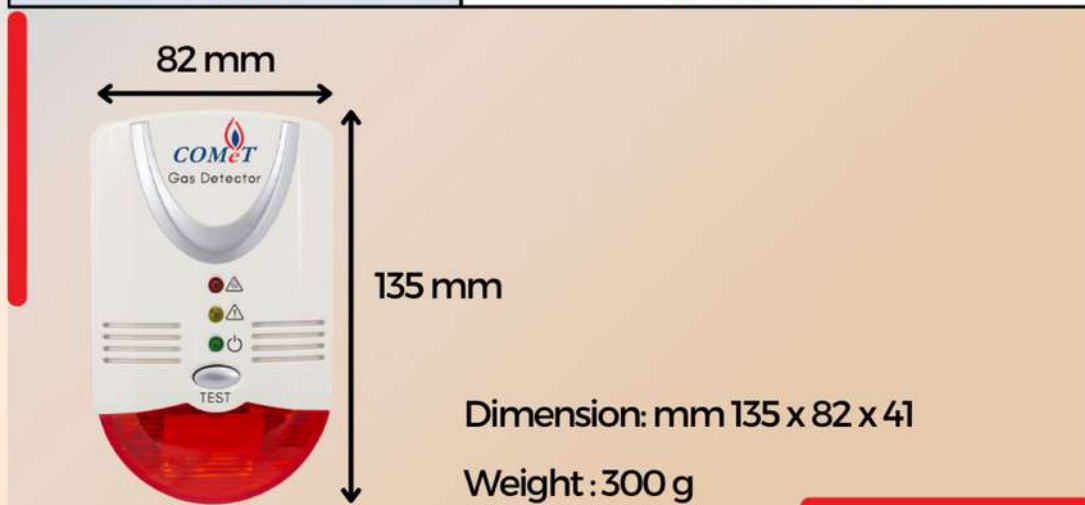


The Comet GD Series is a wall-mounted gas leak detector designed to detect the concentration of combustible gas using high quality air-sensitive components.

It provides visual and audio signals when the gas concentration reaches the presetting alarm range, reminding the user to take prompt action. It is also able to link to a solenoid valve to shut off in an event of a gas leak.

TECHNICAL SPECIFICATIONS

Model	GD Series
Gas Types	LPG or Natural Gas
Working Voltage	Dry Contact/ 230vac
Sensor Life	> 3 Years
Alarm Level	10% L.E.L
Working Temperature	10°C - 50°C
Application	Commercial & Domestic
Function	Gas Shut Off Valve , Relay Output
Alarm	Acoustic Buzzer



GTQ-X Point type fixed gas detector is designed for industrial and commercial use. It is a system-type detector. The detector has the characteristics of a small and compact structure, explosion-proof, stable and reliable, easy operation and maintenance, and flexible wiring.

GTQ-X Fixed Gas Detector

SPECIFICATIONS:

Model	GTQ-X
Sensor	Catalytic
Working Voltage	DC24V±6V
Ingress Protection	IP67
Alarm Deviation	±3%LEL
Signal	4 - 20 mA, 3 wires
Relay	Low alarm relay, dry contact 1 A@DC24V
Status	Fault : Yellow, Alarm : Red, Monitoring : Green
Ex rating	Ex db IIC T6 Gb/ Ex tb III C T80°C Db
Size	115mm x 150mm x 60mm
Weight	<800g
Housing	Aluminium alloy
Sensor life	3 years (catalytic)

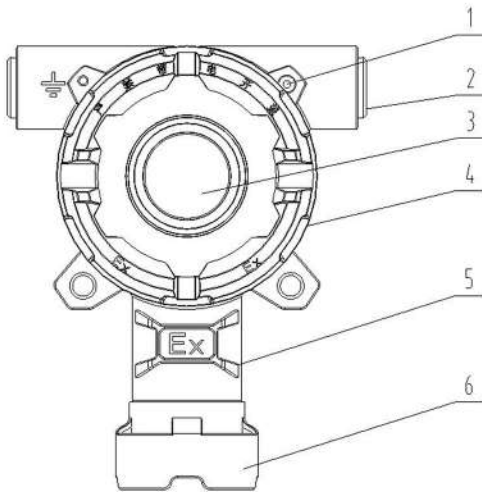


TERMINALS:

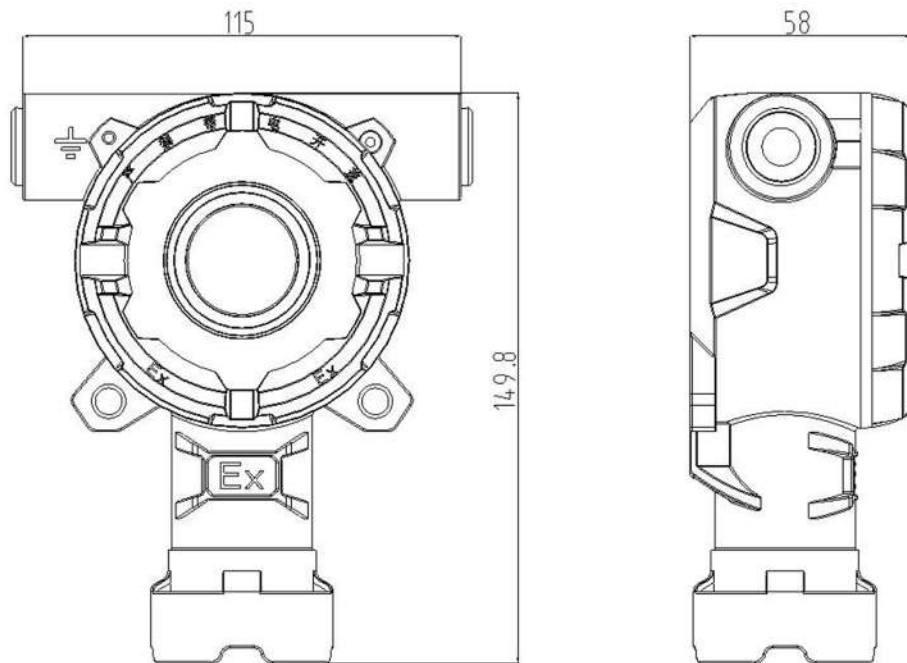


STRUCTURE DIAGRAM:

GTQ-X gas detector is mainly composed of a metal shell, a sensor module, a circuit board, ect. The shell is mainly composed of an upper cover, an O-ring, a lower shell, a scaling plug, a protective cover, a bulkhead, and a plug. The shell plays a role of explosion-proof and protection. The sensor module and the transmitter group are connected by a 5-core cable. The detector structure diagram is shown below:



Serial number	Part Name	Serial number	Part Name
1	Locking screw	4	Cover
2	Plug	5	Gas chamber (sensor)
3	Upper cover (display window)	6	Waterproof cover



Dimensions: Unit (mm)



COMET EXD GAS DETECTOR

Comet EXD Series Gas Detector



The Comet EXD Series is an explosion proof gas detector mainly used in small restaurants, shopping malls, underground integrated pipe corridors and other environments where gas may leak.

When the gas concentration in the environment exceeds the preset alarm value, the red indicator will light up. At the same time, it will trigger an output signal to activate other gas equipment.

TECHNICAL SPECIFICATIONS

Model	EXD Series
Gas Types	LPG or Natural Gas
Power	DC24±6V
Electrical Output	Dry Contact/ 24vdc
EX Grade	Ex d IIC T6 Gb / Ex tD A21 IP66 T80
Ingress Protection	IP66
Application	Commercial & Domestic
Closure Material	Aluminium Alloy
Sensor Type	Catalytic Sensor
Alarm Level	20% L.E.L



Dimension: mm 95 x 106 x 76.5

Weight: 450g





HANWEI GTQ SERIES FIXED GAS DETECTOR

GTQ-BS01 fixed gas detector is designed for industrial and commercial use. By adopting high-performance gas sensor and MCU technology, combined with sophisticated SMT manufacturing process, this detector has good repeatability, high accuracy and long lifespan.

GTQ-BS01 Fixed Gas Detector

FEATURES

- High measurement accuracy, stable performance and long service life
- 4 - 20 mA analog output or FBUS digital output
- Non-contact operation by infrared remote control
- Smart sensor module, free of calibration and easy to maintain



APPLICATION

This sensor is widely used in petroleum, petrochemical, chemical production plant areas, petroleum and natural gas gathering and transportation, refueling/gas stations, municipal administration, metallurgy, electric power and other places where flammable gas exists.

ADVANTAGES



IP67



Smart sensor



Anti-reverse



Fast response



Color backlight



Low consumption



High accuracy



Strong scalability

SPECIFICATIONS

Measuring gas	Combustible gas	Operating temperature	-40 ~ 70°C
Sample method	Diffuse naturally	Humidity	≤ 95% RH (no condensation)
Power	DC24V±6V, ≤2.5W	Ambient pressure	86 KPa ~ 106 KPa
Response time	T90≤20s	Ex grade	Ex d IIC T6 Gb / Ex tD A21 IP67 T80°C
Electrical output	4-20mA or PBUS	Ingress protection	IP67
Relays	1 relay (free contract)	Enclosure material	Alluminium alloy
Operation by	IR remote control	Cable entry	NPT 3/4
State indication	Yellow--Fault, Red--Alarm, Green--Power	Dimension & weight	130mm x 154mm x 83mm about 1.2 kg

GTQ-BS02 Fixed Gas Detector

GTQ-BS02 fixed gas detector is designed for industrial and commercial use. By adopting high-performance gas sensor and MCU technology, combined with sophisticated SMT manufacturing process, this detector has good repeatability, high accuracy and long lifespan.

FEATURES

- High measurement accuracy, stable performance and long service life
- 4-20mA analog output or RS485 Power BUS digital output
- 2 relay outputs
- High-performance LED screen display
- Non-contact operation by infrared remote control
- Smart sensor module, free of calibration, easy to maintenance

APPLICATION

This detector is widely used in gas detection in petroleum and petrochemical industries, refineries, chemical plants, metallurgical industries, power industries, and other places that may produce harmful gases to the human body.

ADVANTAGES



IP67



Smart sensor



Anti-reverse



Fast response



Color backlight



Low consumption



High accuracy



Strong scalability

SPECIFICATIONS

Measuring gas	Combustible gas, toxic gas	Humidity	≤95%RH (no condensation)
Sample method	Diffuse naturally	Ambient pressure	86KPa~106KPa
Power	DC24V±6V, ≤2.5W	Ex grade	Ex d IIC T6 Gb / Ex tD A21 IP67 T80°C
Response time	LEL: T90≤15s Toxic gas: T90≤30s	Ingress protection	IP67
Electrical output	4-20mA or RS485 Power BUS	Enclosure material	Aluminum alloy
Relays	2 relays (free contact)	Cable entry	NPT3/4 (adapter for other size)
Operation by	IR remote control	Dimensions	130mm x 154mm x 83mm
State indication	Yellow--Fault, Red--Alarm, Green--Power	Weight	About 1.2kg
Operating temperature	LEL: -40 ~ 70°C Toxic: -20 ~ 50°C		



GTQ-BS03 Fixed Gas Detector

GTQ-BS03 fixed gas detector is designed for industrial and commercial use. By adopting high-performance gas sensor and MCU technology, combined with sophisticated SMT manufacturing process, this detector has good repeatability, high accuracy and long lifespan.

FEATURES

- High measurement accuracy, stable performance and long service life
- 4-20mA analog output or RS485 Power BUS digital output
- 3 relay outputs (2 free contact, 1 active relay)
- High-performance LCD screen display
- Non-contact operation by infrared remote control
- Smart sensor module, free of calibration, easy to maintain

APPLICATION

This detector is widely used in gas detection in petroleum and petrochemical industries, refineries, chemical plants, metallurgical industries, power industries, and other places that may produce harmful gases to the human body.

ADVANTAGES



IP67



Smart sensor



Anti-reverse



Fast response



Color backlight



Low consumption



High accuracy



Strong scalability

SPECIFICATIONS

Measuring gas	Combustible gas, toxic gas	Humidity	≤95%RH (no condensation)
Sample method	Diffuse naturally	Ambient pressure	86KPa~106KPa
Power	DC24V±6V, ≤2.5W	Ex grade	Ex d IIC T6 Gb / Ex tD A21 IP67 T80°C
Response time	LEL: T90≤15s Toxic gas: T90≤30s	Ingress protection	IP67
Electrical output	4-20mA or RS485 Power BUS	Enclosure material	Aluminum alloy / stainless steel
Relays	2 free contact, 1 active relay	Cable entry	NPT3/4 (adapter for other size)
Operation by	IR remote control	Dimensions	130mm x 154mm x 95mm
State indication	Yellow--Fault, Red--Alarm, Green--Power	Weight	About 1.2kg/4.2kg
Operating temperature	LEL: -40 ~ 70°C Toxic: -20 ~ 50°C		



IECEX



IR Remote



TECNOCONTROL SE230K & SE237 GAS DETECTOR

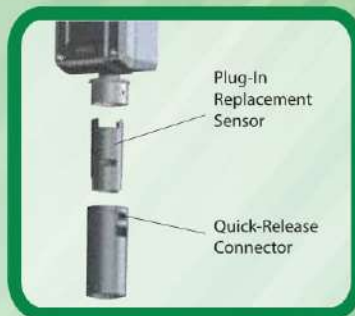
GAS DETECTOR



SE230K

- Domestic & Commercial Gas Detector.
- Stand Alone Gas Detector.
- Easy installation method
- Built in luminous and acoustic signalisations

Description	Specifications
Detection	LPG / Methane and Other Gases
Level of Detection	10% L.E.L
IP Rating	IP 42
Voltage Supply	230 Vac or 12 Vdc
Relay	Single Output Relay
Sensor Type	Catalytic



SE237K

- Commercial & Industrial Gas Detector.
- To be linked to control panel and solenoid valve to shut off in events of a gas leak.
- 3 levels of threshold, 10% and 20%
- Self extinguishing thermoplastic box
- Able to work on 4 - 20 mA signal.

Description	Specifications
Detection	LPG / Methane and Other Gases
Level of Detection	10% L.E.L - 20% L.E.L
IP Rating	IP 65
Voltage Supply	12 Vdc or 24 Vdc
Relay	3 Output Relay
Sensor Type	Catalytic



TECNOCONTROL SE138 GAS DETECTOR



Approved By:
 Suruhanjaya Tenaga
 Energy Commission

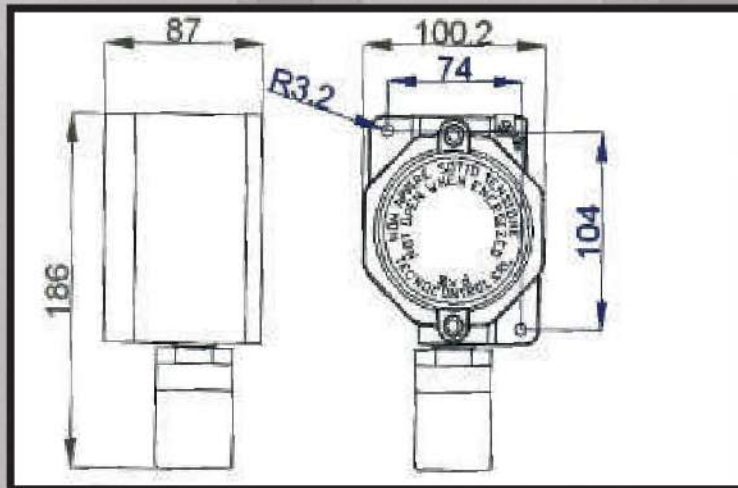
Tecno Control

GAS DETECTOR

SERIES SE138

Stand Alone industrial gas detector,
 with replaceable cartridge sensor ATEX
 certified for Zone 1.

- Ex marking Ex : II 2G Ex d IIC T6 Gb
- No. 3 Alarm relays solid state type. MAX resistive load 24V/1A SPST
- No. 1 Fault relay solid state type. MAX resistive load 24V/1A SPST
- Alarm levels (relays) programmables via DIP-Switch
- No. 1 linear 4÷20 mA current output
- Terminals plug-in polarized type



Code	Gas detected	Cartridge replacement	Type sensor	Measuring range	Power Supply	Electrical input	Output	Calibration cylinder	Average time in clean air (years)	Maximum storage time (years)	
SE138KM	Methane	ZSK02/EX	Catalytic	0-20% LEL	12-24Vdc (-10/+15%)	2	No. 4 Solid state type Relays 24V/1A SPST No. 1 Linear 4-20mA current Output	B0006	5	5	
SE138KG	LPG										
SE138KI	Hydrogen										
SE138KB	Petrol	ZSK04/EX	Electrochemical	0-300 ppm	12-24Vdc (-10/+15%)	2	No. 4 Solid state type Relays 24V/1A SPST No. 1 Linear 4-20mA current Output	B0014	2	1 month	
SE138EA	Ammonia	ZSEA1/EX								0-300 ppm	3 month
SE138EH	Hydrogen sulphide	ZSEH1/EX								0-100 ppm	3 month

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