Fixed Gas Detector

GTQ-BS05 Fixed Gas Detector with Color Backlight

GTQ-BS05 is a fixed gas detector installed in a place where potential gas hazard may exist to measure oxygen, toxic gas and combustible gas. The LCD screen displays both the gas concentration and diagnostic result of the device it self through the big LCD screen. And color backlight can easily show the detector status to the operator on site.

FEATURES

- High accuracy, stable performance, long lifespan
- 4-20mA analog signal output (Hart)
- 3 relay output (2 free contact for gas alarms and 1 active output)
- Wide temperature and color-backlight LCD screen display
- Non-intrusive operation by IR remote controller
- Smart sensor module, easy for maintenance
- IP67 ingress protection
- Support Hart operator for data setting and review

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.
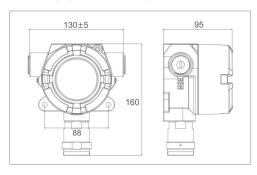
IR Remote

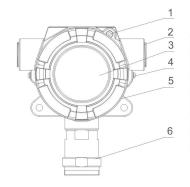## ADVANTAGES

IP67	Smart sensor	Anti-reverse	Fast response	Color backlight	Low consumption	High accuracy	Strong scalability

DIMENSION DRAWING

130±5   95   160   88

1	Tightening screw
2	Plug
3	Upper cover
4	GROUND screw
5	Fixing hole
6	Sensor module

SPECIFICATIONS

Measuring gas	Flammable, toxic, O2	Ingress protection	Ip67
Sampling method	Diffuse naturally	Ex grade	Ex d IIC T6 Gb / Ex d ia IIC T6 Gb
Rated voltage	DC24V±6V	Enclosure material	Aluminum alloy / Stainless steel
Consumption	≤2.5W	Cable entry screw	NPT3/4
Response time (T90)	Flammable: ≤20S Toxic/O2: ≤30S	Cable required	RVVP3×1.5mm²
Signal output	4-20mA (Hart) Relays (2 free contact and 1 active contact)	Transmission distance	≤1000m (with control panel)
Working temp.	Flammable: -40℃~+70℃ Toxic/O2: -20℃~+50℃	Sensor lifespan	Catalytic: 3 years, Electrochemical: 2 years, NDIR: 5 years
Humidity	0-95%RH (no condensation)	Dimension	130mm x 154mm x95mm
Air pressure	86KPa to 106KPa	Weight	About 1.2kg / 4.2kg