

Fixed Gas Detector

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		



Gas List

Gas	Range	BX171	BX176	BX616	E1000	E4000	E6000	TC100N	BS03	GTQ-BS01	GTQ-BS02	GTQ-BS03	GTQ-WD2200	GTQ-WD6200
Combustible	0-100%LEL		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO	0-500ppm	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
O2	0-25%VOL	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
H2S	0-100ppm	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
H2	0-100%LEL	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
NH3	0-100ppm		✓		✓	✓	✓	✓	✓			✓	✓	✓
CL2	0-10ppm		✓		✓	✓	✓		✓			✓	✓	✓
F2	0-5ppm		✓		✓	✓	✓		✓			✓	✓	✓
CO2	0-6000ppm				✓	✓	✓		✓			✓	✓	✓
	0-5%VOL				✓	✓	✓		✓			✓	✓	✓
NO	0-100ppm				✓	✓	✓		✓			✓	✓	✓
NO2	0-20ppm				✓	✓	✓		✓			✓	✓	✓
PH3	0-20ppm				✓	✓	✓		✓			✓	✓	✓
SO2	0-30ppm		✓		✓	✓	✓		✓			✓	✓	✓
H2	0-1000ppm		✓		✓	✓	✓		✓			✓	✓	✓
HF	0-10ppm				✓	✓	✓		✓			✓	✓	✓
HCL	0-20ppm		✓		✓	✓	✓		✓			✓	✓	✓
HCN	0-20ppm				✓	✓	✓		✓			✓	✓	✓
ETO	0-100ppm				✓	✓	✓		✓			✓	✓	✓
CH4O	0-100ppm				✓	✓	✓		✓			✓	✓	
VOC	0-500ppm				✓	✓	✓		✓			✓	✓	✓
	0-10ppm				✓	✓	✓		✓			✓	✓	✓