



## EST-BSO2 Fixed Gas Detector

4-20mA analog output or FBUS digital output

2 relay outputs

High-performance LED screen display

Measuring gas: Combustible gas, toxic gas

Response time: LEL:  $T_{90} \leq 15s$  Toxic gas:  $T_{90} \leq 30s$

Electrical output: 4-20mA or PBUS

Relays: 2 relays (free contact)

## Description

EST-BSO2 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 FBUS 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 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.

## Specifications

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