

GTD-5200F

Explosion proof Interference Gas Filtering Multi gas detector



DESCRIPTION

GTD-5200F is a product specialized in detecting gases used in semiconductor manufacturing processes. Applied interference gas filtering algorithm and able to maximize the stability and spatial efficiency with dual sensors. Its structure is designed as explosion proof which can prevent the second accident.

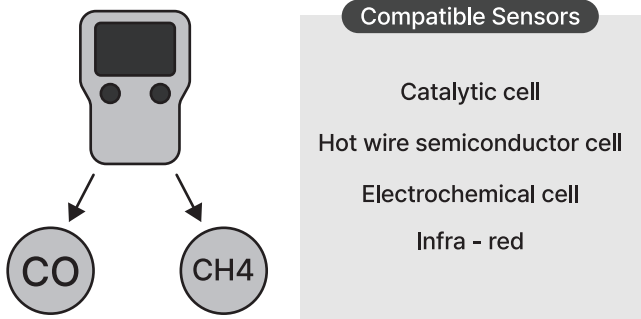
FEATURE

- ▶ Compatible with four types of sensors
- ▶ Interference gas filtering algorithm
- ▶ Explosion proof structure
- ▶ Able to detect two gases at once
- ▶ Embedded high-function pump
- ▶ Relay output

Dual Sensor Solution

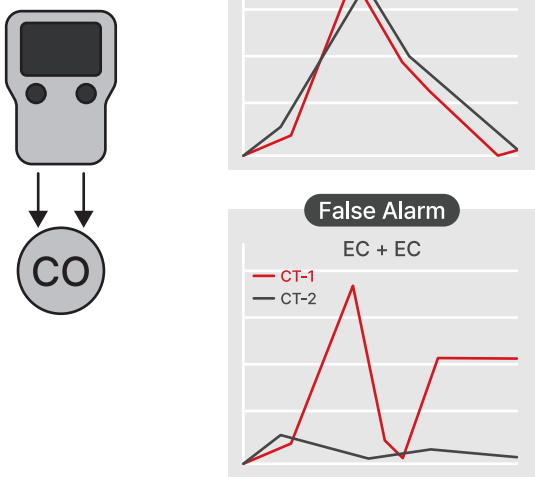
Multi-Detection

Detecting two different gases with one detector can reduce the number of units, maximize spatial efficiency, and provide a maintenance advantage.



Cross-Detection

Cross-detecting one gas with two sensors. It can increase the stability as distinguish the real alarm and false alarm.



Sensor Specification

Measuring Method	Measurable gas	Measuring Range	Response time
Infrared	Freon gas	0~2000ppm	< 15sec / 90% scale
	Flammable gas	0~100% LEL	< 15sec / 90% scale
	Toxic gas	-	< 15sec / 90% scale
Catalytic cell	Flammable gas	0~100% LEL	< 15sec / 90% scale
Hot wire semiconductor cell	Flammable gas	0~2000ppm	< 15sec / 90% scale
Electrochemical cell	O2	-	< 15sec / 90% scale
	Toxic	-	< 45sec / 90% scale
	Flammable gas	-	< 15sec / 90% scale

Detector Specification

Measuring type	Auto sampling type
Accuracy	±3% / Full scale
Control	Non intrusive control with a Magnet bar
Display	2.0" Color TFT LCD
Alarm signal output	5A@30VDC, 5A@250VAC / 3 Relay contact (2-Stage alarm, 1-Trouble)
Output signal	Analog 4-20mA, RS-485 Modbus, Relay, PoE (Option)
Sampling method	Diaphragm pump
Sampling line	OD 1/4 "(Standard)
Flow rate	100 ~ 1000 ml/min (Normal 500 ml/min)
Material	Aluminum alloy
Conduit connection	Standard : PF 3/4" Option : NPT 3/4" M25 PF 1/2" NPT 1/2" M20 (With Explosion proof reducer)
Mounting type	Wall mount
Operating temperature	-10°C ~ 60°C
Operating humidity	5~99% RH (Non-condensing)
Dimensions	200(W) × 161(H) × 139(D) mm
Weight	4kg
Power	Standard : 16~32V (PoE option :37~57V)