GASTRON

Intelligent Diffusion Oxygen & Toxic Gas Detector
GTD-3000Tx

Features

- This detector is specialized for detecting oxygen and toxic gases.
- It is designed with an explosion-proof structure, ensuring there is no risk of secondary explosions.
- Equipped with a display for easy monitoring and calibration.
- Provides relay contact output capability.
- RS-485 Modbus communication is supported.
- Includes a built-in self-diagnostic function.
- Remote calibration and program settings can be configured using a magnetic bar.
- Compatible with explosion-proof warning lights (GTL-100) attached to the detector.

Accessories

| Cable gland | GTL-100 | Rain cover | RS-485 Module | Splash guard | Collecting cone |

Sensor Specification

Measuring method	Galvanic cell	Electrochemical cell	
Measuring gas	O2	O2	Toxic gas
Measruing range	*	*	*
Response time	< 15sec / 90% scale	< 15sec / 90% scale	< 45sec / 90% scale
Material	SUS316	SUS316	SUS316

Detector Specification

Measuring type	Diffusion type
Accuracy	±3% / Full scale
Parameter control	Non intrusive control with a Magnet bar (Calibration, Maintenance)
Operation mode display	4-LED (Power, 2-Stage alarm, 1-Trouble)
Measuring value display	LCD display (Built in back light 2-Line, 16 Characters) / OLED type (Option)
Output signal	Analog : 4-20mA Analog output Maintenance signal : 4mA Calibration signal : 3mA Fault signal : 0mA Digital : RS-485 Modbus (Option)
Material	Aluminium alloy or Stainless steel
Cable entry thread	Standard : PF 3/4" Option : PF 1/2" , M20 x 1.5P , M25 x 1.5P , NPT 1/2" , NPT 3/4"
Mounting type	2" Pole mount, Wall mount, Option
Operating temperature	-20℃ ~ 60℃
Operating humidity	5 ~ 99%.RH (Non-condensing)
Dimensions	156(W) x 196(H) x 110(D) mm
Weight	2.0Kg (Aluminium alloy)	3.7Kg (Stainless steel)

Detector Certification

Explosion-Proof Certification	KCs	Korea Explosion Proof Certification	Ex d IIC T6, Ex tb IIIC T85℃ Db IP6X
	NEPSI	China Explosion Proof Certification	Ex db IIC T6 Gb
Other Certifications	KC	Korea Electromagnetic Certification	
	CE(EMC)	European Electromagnetic Certification	
	CPA	China Measuring Instrument Certification	-
	-	Thailand Ministry of Energy Certification	
	CHINA S Mark	China Fire Safety Certification	