

Sampling Multi Gas Detector

GTM Series



Features

- It detects gases such as combustible gases, toxic gases, Freon, and VOCs.
- With its high-performance pump, it quickly detects gases in the desired space.
- The device is capable of detecting more than 4 gas channels simultaneously.
- The filtering algorithm for the semiconductor process PM material & ETC is applied.
- A monitoring system can be built using 4-20 mA, RS-485, or PoE communication protocols.
- Equipped with relay contacts for enhanced operational control.

Accessories



Micro filter



Mounting bracket



Base plate



PG Connector

Sensor Specification

* = Refer to Toxic gas measuring range

Measuring method	Measurable gas	Measuring range	Response time
Infrared	Freon gas	0 ~ 2000ppm	< 15sec / 90% scale
	Flammable gas	0 ~ 5000ppm 100% LEL	< 15sec / 90% scale
Catalytic cell	Flammable gas	0 ~ 5000ppm 100% LEL	< 15sec / 90% scale
Electrochemical cell	O2	Normal range : 0 ~ 30%	< 15sec / 90% scale
	Toxic gas	Customized Specification	< 45sec / 90% scale

Detector Specification

Measuring type	Auto sampling type
Accuracy	±3% / Full scale
Parameter control	Front switch (Calibration, Maintenance, Alarm setting)
Operation mode display	Power / Alarm / Trouble / Status LED
Measuring value display	Color graphic LCD display (Gas value, Gas name, Flow, Error etc.)
Alarm signal output	4 Gases - 3A@250VAC, 5A@28VDC / 3SPST Relay contact (Alarm1, Relay)
Output signal	4 Gases - Analog : 4-20mA Analog output Maintenance signal : 3mA Calibration signal : 3mA Fault signal : 0mA or 1.5 / 2.0 / 2.5mA Digital : RS-485 Modbus / PoE (Power over ethernet) (Option)
Sampling method	Diaphragm pump
Sampling line	OD 1/4 " (Standard)
Flow rate	0 ~ 1000mL/min (Normal 500mL/min)
Material	Polycarbonate
Cable Port	PG connector (PG11~PG25)
Mounting type	Wall mount
Operating temperature	-10°C ~ 50°C
Operating humidity	5 ~ 99% RH (Non-condensing)
Dimensions	280(W) × 244(H) × 154(D) mm
Weight	3.5kg
Operating power	Standard type : 12W @24VDC (Max) PoE type : 12.95W @48VDC (Max)

Detector Certification

Other Certifications	CE(EMC)	European Electromagnetic Certification	-
	KC	Korea Electromagnetic Certification	
	NRTL(TUV)	U.S. Security Certification	