

Sampling Oxygen & Toxic Gas Detector

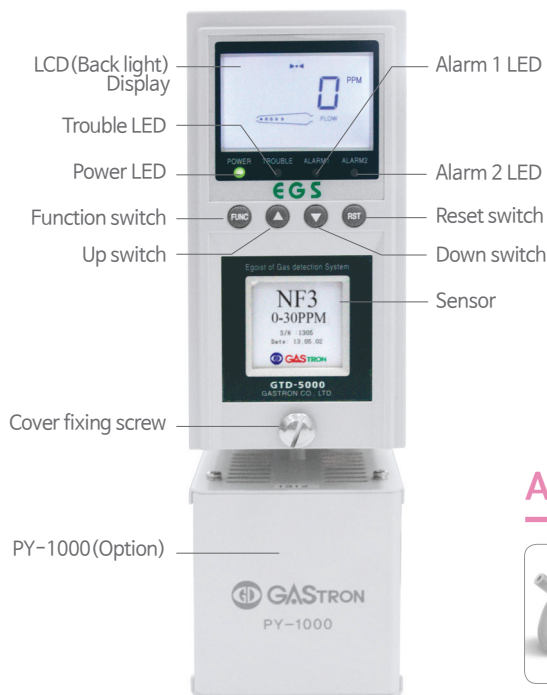
GTD-5000Tx

Feature

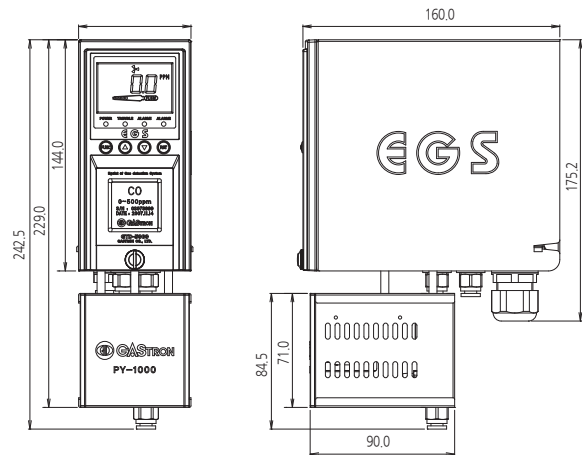
- ▷ Fast response of toxic gases & oxygen leakage with a high efficient pump inside
- ▷ Self diagnosis function with built-in Microprocessor
- ▷ Easy replacement with a cartridge type sensor
- ▷ Digital flow sensor to maintain regular flow rate
- ▷ Stable quality and proved detection principle for service life
- ▷ Superior performance for detecting toxic gases below TLV
- ▷ Fine LCD display for showing various information
- ▷ 4-digit digital gas concentration display
- ▷ 4-20mA DC output signal
- ▷ Easy configuration of monitoring system by RS-485 Modbus isolated serial data communication or PoE (Option)
- ▷ 2-stage alarm, 1-trouble display and relay contact output
- ▷ 3-Wire Type
- ▷ Calibration and maintenance by one-man



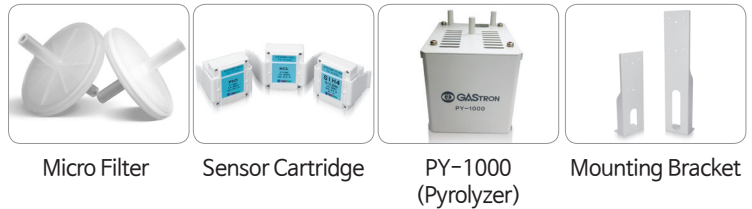
General



Dimension (Unit:mm)



Accessories



Micro Filter

Sensor Cartridge

PY-1000
(Pyrolyzer)

Mounting Bracket

Specification

※Specifications are subject to be changed without prior notice.

INTELLIGENT & SAMPLING TYPE OXYGEN & TOXIC GAS DETECTOR	
Model	GTD-5000Tx
Measuring gas	O ₂ / Toxic gases(CO, Cl ₂ , NH ₃ & etc)
Measuring type	Auto Sampling type
Measuring method	Semiconductor cell, Electrochemical cell
Measuring range	Refer to Toxic Gas Measuring Range(176 page)
Response time	< 45sec / 90% scale)
Accuracy	±3% / Full scale
Parameter control	Front switch (calibration, maintenance, alarm setting)
Operation mode display	4-LED (Power, 2-stage alarm, 1-trouble)
Measuring value display	LCD Display(4-Digit)
Alarm signal output	250V 1A / 3-SPST relay contact (2-stage alarm, 1-trouble)
Output signal	4 - 20mA DC RS-485 Modbus(Optional) / PoE(Power over Ethernet)(Option)
Sampling method	Diaphragm Pump
Sampling line	OD 1/4" (Standard)
Flow rate	0 ~ 1000 ml/min max
Cable/Distance	Power + Signal cable : 3-wire > 1.5sq(AWG16) / 1000m max / Pyrolyzer 500m max RS-485 data communication cable : 1 pair(UL2919 RS-485) / 1000m max PoE(Power over Ethernet) : 100m max Pyrolyzer Type : 500m max
Conduit connection	Cable gland(PG-16)
Mounting type	Wall mount
Operating temperature	-20℃~ +60℃
Operating humidity	5 to 99% RH (Non-condensing)
Operating power	Standard : 18 ~31V DC (24V DC normal) / 280mA max Pyrolyzer(NOTE1) : 18 ~31V DC (24V DC normal) / 520mA max PoE(NOTE2) : 48V DC ±10% / 200mA max
Material	Front(Poly carbonate), Sides(Steel)
Dimensions	Standard type : 70(W) ×144(H) × 160(D) mm Pyrolyzer type(PY-1000) : 70(W) ×242.5(H) × 160(D) mm
Weight	Standard type : 2.5kg GTD-5000 & PY-1000 : 4.05kg
Approval	CE (EN50270:1999)
NOTE 1	Current consumed by Polyzer(PY1000, PY2000) Unit
NOTE 2	DC 24V should be supplied if you want to use Pyrolyzer in case of using PoE power