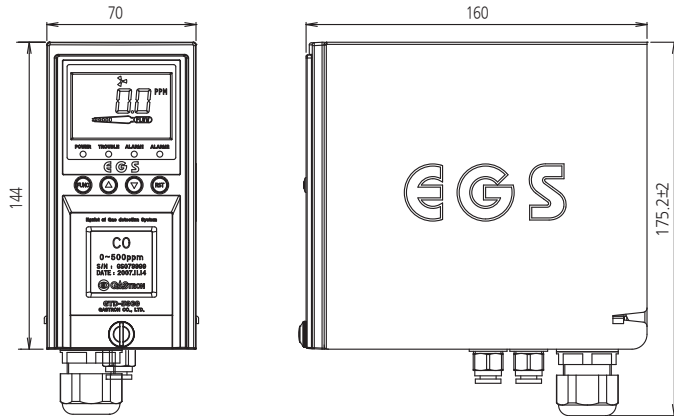# GTD-5000 **Sampling Oxygen & Toxic Gas Detector**

| 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 (Current source or Sink) output signal | Easy configuration of monitoring system by RS-485 Modbus communication or PoE | 2-stage alarm, 1-trouble display and relay contact output | 3-Wire Type | Calibration and maintenance by one-man |

## IMAGE



## DIMENSION (Unit : mm)



## ACCESSORIES



| Micro Filter | Mounting Bracket | PY-1000 | Sensor Catridge |

## SPECIFICATION

※ Specifications are subject to be changed without prior notice.

| INTELLIGENT & SAMPLING TYPE OXYGEN & TOXIC GAS DETECTOR | |
|---|---|
| Model | GTD-5000 |
| Measuring gas | O2 / Toxic gases(CO, Cl2, NH3 & etc) |
| Measuring type | Auto Sampling type |
| Measuring method | Semiconductor cell, Electrochemical cell |
| Measruing range | Refer to Toxic Gas Measuring Range |
| 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 | 2A@30VDC, 0.5A@125VAC (resistive load) / 3-SPST relay contact(2stage alarm, 1 trouble) |
| Output signal | 4 - 20mA DC        RS-485 Modbus(Option) / PoE(Power over Ethernet)(Option) |
| Sampling method | Diaphragm Pump |
| Sampling line | OD 1/4" (Standard) |
| Flow rate | 0 ~ 1000 ml/min max |
| Conduit connection | Cable gland(PG-16) |
| Mounting type | Wall mount |
| Operating temperature | -20℃~ +60℃ |
| Operating humidity | 5 to 99% RH (Non-condensing) |
| 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 |
| 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 |

| CERTIFICATION | |
|---|---|
| CE / CPA | Refer to website |