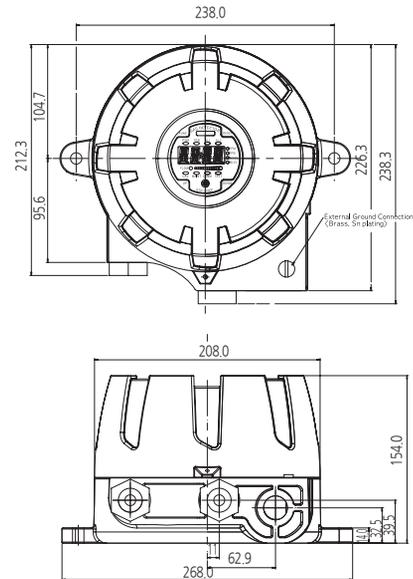# GTD-5000F Explosion Proof Type Sampling Oxygen & Toxic Gas Detector

| Continuous detection of toxic gases and oxygen in explosion hazardous area with flame proof structure | Self diagnosis function with built-in Microprocessor | Easy replacement with a cartridge type sensor | Digital flow sensor to maintain regular flow rate | Fast response of gas leakage with a high efficient pump inside | Stable quality and proved detection principle for service life | Excellent selectivity by adapting detection principle only for toxic gases & oxygen | Superior performance for detecting gases below TLV | Auto calibration and program setting with a magnet bar | 4-digit digital gas concentration display | 4-20mA (Current source or Sink) output signal | Easy configuration of monitoring system by RS-485 Modbus communication | 3-Wire Type | 2-stage alarm, 1-trouble display and relay contact output | Calibration and maintenance by one-man |

IMAGE

DIMENSION (Unit : mm)

ACCESSORIES

Cable Gland   Male Connector   RS-485 module   Mounting Bracket

SPECIFICATION

※ Specifications are subject to be changed without prior notice.

EXPLOSION PROOF & SAMPLING TYPE OXYGEN & TOXIC GAS DETECTOR	
Model	GTD-5000F
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	Non intrusive control with a Magnet bar (calibration, maintenance, alarm setting)
Operation mode display	Alarm / Trouble LED , Flow rate
Measuring value display	FND Display(4-Digit)
Alarm signal output	2A@30VDC, 0.5A@125VAC (resistive load) / 3-SPST relay contact(2stage alarm, 1 trouble)
Output signal	Analog output : 4-20mA DC Digital output : RS-485 Modbus(Option)
Sampling method	Diaphragm Pump
Sampling line	OD 1/4 "(Standard)
Flow rate	0 ~ 1000 ml/min max
Conduit connection	Standard : PF 3/4" Option : NPT 1/2", NPT3/4", M20 x 1.5P, M25 x 1.5P
Mounting type	Wall mount
Operating temperature	-40℃ ~ + 60℃
Operating humidity	5 to 99% RH (Non-condensing)
Material	ALDC
Dimensions	226.3(W) × 154(H) × 238(D) mm
Weight	5kg

CERTIFICATION			
KCs	Ex d IIC T6	NEPSI	Ex d IIB+H2 T6, T5 Gb
ATEX / IECEx	Ex d IIB+H2 T6, T5 Gb	CE / KFI / KC / CPA	Refer to website