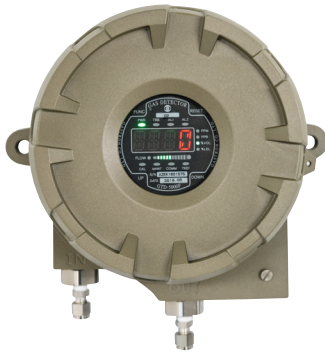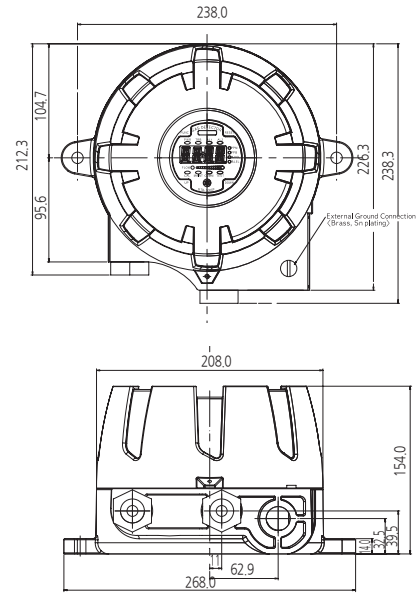# GTD-5000F Explosion Proof Type Sampling Infrared Gas Detector

| Continuous detection of flammable, CO2, CO and N2O gas in explosion hazardous area with flame proof structure | State-of-the art infrared detection principle | Operation in non oxygen environment | Digital flow sensor to maintain regular flow rate | Fast response detection of gas leakage with a high efficient pump inside | Self diagnosis function with built-in Microprocessor | Fast response time(<6 sec) | Stable quality and proved detection principle for service life | 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 | Micro Filter | Mounting Bracket

SPECIFICATION

※ Specifications are subject to be changed without prior notice.

EXPLOSION PROOF & SAMPLING TYPE INFRARED GAS DETECTOR			
Model	GTD-5000F		
Measuring gas	Hydrocarbon gases (LNG, LPG, Methane, Buthane & etc)	CO2	CO, N2O
Measuring type	Auto Sampling type		
Measuring method	Infrared type		
Measruing range	0~100% LEL 　 0~5000ppm 　 0~100% Vol	0-5.0% Vol	0-2.0% Vol, 0~4000ppm
Response time	< 6sec / 90% scale, < 3sec / 50% 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 ~2000 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