GTD-5000F **Explosion Proof Type Sampling Flammable Gas Detector**

| Continuous detection of flammable gases 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 VOC gas leakage with a high efficient pump inside | Detection gas from low to high concentration owing to various detection principle | 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 connection for signal & power | 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
RS-485 module	Mounting Bracket	
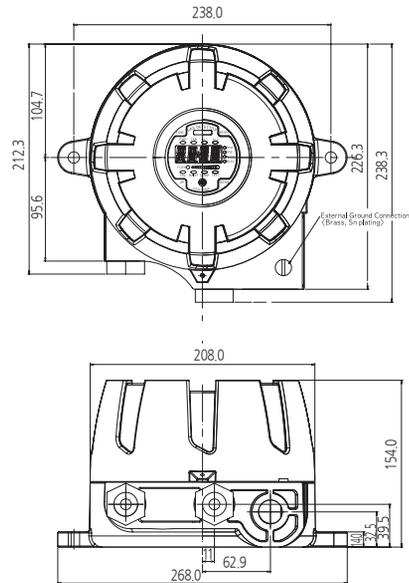
SPECIFICATION

※ Specifications are subject to be changed without prior notice.

EXPLOSION PROOF & SAMPLING TYPE FLAMMABLE GAS DETECTOR		
Model	GTD-5000F	
Measuring gas	Flammable gases (LNG, LPG, H2, Methane, Buthane & etc)	
Measuring type	Auto Sampling type	
Measuring method	Catalytic cell / Hot wire semiconductor cell / Thermal conductivity cell	
Measuring range	0~100% LEL / 0~2000ppm / 0~100% Vol	
Response time	< 15sec / 90% scale	
Accuracy	±3% / Full Scale	
Parameter control	Front switch (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