



# NDIR Point 3000

Explosion Proof Type Diffusion Infrared Gas Detector

## KEY FEATURES

- Quick response time within 6 seconds
- Long life span more than 5 years
- Built in self-check function
- Flammable/CO2/CO/N2O etc. gases continuous detecting
- Relay output available
- Able to combine with the small sized explosion proof lamp
- Acquire international certificates such as UL/IECEX/ATEX etc.

NDIR Point 3000 is an explosion-proof, diffusion-type detector that uses an infrared sensor. It has a far faster response time compared to other sensor types.

CERTIFICATE	
KCs	Ex d IIC T6, T4
ATEX	Ex db IIC Gb T6, T4
IECEX	Ex db IIC Gb T6, T4
NEPSI	Ex d llC T6 Gb
UL	Class I, Division 1, Groups A.B.C.D
KCs	Ex tD A21 IP66 T85°C
TIIS	Ex d llC T6 Gb
KR	
MED	
ABS	

CERTIFICATE	
DNV	Refer to website
KC	
KFI	
CE	
HART	
SIL2	
PESO	
TRCU ex	
IEC 60079-29-1:2008	
CPA	

# NDIR Point 3000

## Smart Diffusion Flammable Gas Detector



SENSOR SPECIFICATION			
Sensor	Measurable gas	Measuring range	Response time
Infrared	Hydrocarbon gas	0~100% LEL 0~9999 ppm 0~100% Vol	<6sec / 90% scale <3sec / 50% scale
	CO2	0~5.0% Vol	
	CO	~2.0% Vol	
	N2O	0~4000 ppm	
DETECTOR SPECIFICATION			
Accuracy	±3% / Full scale		
Sensor life time	Over 5 years		
Parameter control	Non intrusive control with a magnet bar (Calibration, Maintenance)		
Operation mode display	4-LED (Power, 2 Stage alarm, 1 Trouble)		
Measuring value display	LCD display (Built in back light 2-Line, 8 characters) / OLED Type (Option)		
Alarm signal output	2A@30VDC, 0.5A@125VAC (Resistive load) / 3-SPST relay contact (2 Stage alarm, 1 Trouble)		
Output signal	Analog: 4-20mA Analog output Maintenance signal: 4mA Calibration signal: 3mA Fault signal: 0mA Digital: RS-485 Modbus (Option), 2mA (HART 7, HART Device Description Language Available, Option)		
Material	Housing : ALDC, SUS316(Optional) / Sensor : SUS316		
Conduit connection	Standard : PF 3/4", Option : NPT 1/2", NPT3/4", M20 x 1.5P, M25 x 1.5P		
Mounting type	2" Pole mount, Wall mount, Duct mount		
Operating temperature	-40°C ~ 80°C		
Operating humidity	5 ~ 99%.RH (Non-condensing)		
Dimensions	156(W) x 323(H) x 110(D)mm		
Weight	3kg		

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WatchGas is dedicated to continuously improving its products. Therefore, the specifications and features mentioned in this datasheet are subject to change without prior notice.

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