XT-OPGD1000II Open Path Gas Detector

XT-OPGD1000II

XT-OPGD1000II is a line-beam combustible gas detector for industrial and commercial use. The product design complies with the SIL II standard requirement. With high-performance large-surface photosensitive detector and micro-control technology, combined with sophisticated SMD process, it has good repeatability, temperature and humidity characteristics, and has the advantages of long service life and convenient operation.
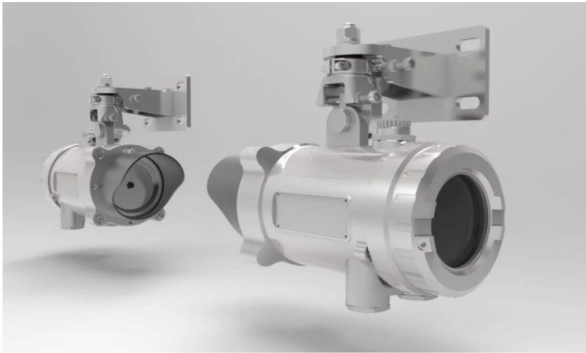
APPLICATIONS

The detector is widely used in natural gas gate stations and storage stations, oil and petrochemical industry refineries, chemical plants, metallurgical industry, power industry and other places. Compared with traditional fixed gas detectors, it has the advantages of wide coverage, fast response, and the ability to detect omissions or undetected gas leaks caused by traditional point detectors due to installation, wind direction, etc.

APPLICATIONS

- High accuracy, stable performance and long lifespan
- Separate relay output for detection alarm and fault
- High-performance LCD display, intuitive and clear
- Easy installation with professional mounting bracket
- Fast response and high sensitivity to Methane gas
- Remote upgrade function available (optional)

- 3-wire 4-20mA analog signal output
- Simple operation through magnetic rod
- Long detection distance: Maximum 100m
- Bluetooth interface available (optional)
- HART output available (optional)

SPECIFICATIONS

Target gas	CH4	Installation method	Wall-mounted or column installation
Detection range	0-100%LEL.m	Enclosure material	316L stainless steel
Preset alarm value	50%LEL.m	Display method	LCD screen
Detection principle	TDLAS	LED indicators	Yellow-Fault, Red-Alarm, Green-Power
Response time	T90≤3s	Operation method	By magnetic rod
Protection distance	≤100m	Electrical entry	NPT3/4 (F)
Flare size	0.5m	Protection grade	IP66 / IP67
Working voltage	DC24V±6V	Explosion proof	Ex d IIC T6 Gb
Signal output	4-20mA (optional RS485-RTU)		Ex tD A21 IP66/IP67 T80℃
Installation method	Wall-mounted or on the pole	Dimension & weight	280×155×222mm, about 33kg
Relay output	2 relays for low alarm and fault		(with installation bracket)
	Capacity: DC30V@ 3A or AC250V@3A	Ambient temp.	-40℃ ~ +70℃
		Ambient humidity	0-95%RH (25℃, no condensation)

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