



## Open Path Gas Detector

### OPGD1000

### Open Path Gas Detector

SIL II Approved



OPGD adopts advanced TDLAS technology to detect the gas concentration in the open space by the absorption of specific wavelength light by gas. The detection distance can reach 120 meters.

#### FEATURES

- Advanced TDLAS technology
- Detect gas leakage in the open space
- Shock resistance
- High selectivity, only response to methane
- Maintenance free, no need to re-calibrate
- Auto-heating function, resistance to extreme weather

#### APPLICATION

LNG/LPG cylinder factory, Petroleum Refinery, Offshore oil and gas platform, gas plant, gas pipelines, tunnel engineering

#### MAIN APPLICATION



#### APPLICATION

|                     |                            |                     |                        |   |
|---------------------|----------------------------|---------------------|------------------------|---|
| Measuring gas       | Methane (CH <sub>4</sub> ) | H <sub>2</sub> S    | Accessories            | Bracket, Canopy, Gland                                    |
| Measuring range     | 0-100%LEL*m                | 0-4000ppm*m         | Optional parts         | Gas Cell, Telescope sight, Surge protector + junction box |
| Response time       | T <sub>90</sub> <3s        | T <sub>90</sub> <3s | Detection distance     | 120 meters  |
| Sensor type         | TDLAS                      |                     | Thread type            | NPT 3/4"  |
| Sensor life         | 10 years                   |                     | Signal Output          | 4~20mA  |
| Power supply        | DC14~32V                   |                     | Explosive-proof degree | Ex d IIC T6   |
| Working Temperature | -40°C ~ +65°C              |                     | Ingress Protection     | IP66  |
| Working Humidity    | ≤95%RH (no condensation)   |                     | Approval               | SIL II  |
| Housing material    | 316L Stainless Steel       |                     | Dimension and weight   | 350mm*250mm*205mm, about 15kg                             |

### Welcome to Hanwei !



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