

Diffusion/ pumped dual use gas detector



SKY1000-X

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Product overview

SKY1000-X series is an explosion proof single gas detector with rating IP66/68. It's light weight, small size and with 3 buttons for easy operation. It can detect toxic gas, flammable gas as well as O₂ and TVOC gas. It also can detect CO, H₂S gases in one device. With standard data logger, real time data and alarm events can be export to PC directly.

Product Advantage

- Diffusion/pumped dual use sampling method, support various applications
- Standard man down alarm, alarm latched, password protection, ID identification, datalogger function
- Alarm events, calibration records, bump test records, system records are available
- Real time value, TWA, STEL, MAX, MIN multiple numerical display
- With self-test function, which can improve safety by automatic self-test
- Support span calibration, bump test
- Support firmware upgrade remotely
- Wireless data transmission including Lora, Bluetooth (Optional)
- Support PPM and mg/m³ gas unit switch by one key

Standard configuration:

1. One gas detector
2. One pump adapter
3. One water trap filter
4. One cable
5. One power adapter
6. One aluminum suitcase
7. One user manual
8. One warranty card



Technical parameters

Detected gas:	CO, H ₂ S, O ₂ , VOC, flammable gas or other toxic gas
Measure range:	Depend on gas
Sampling method:	Pumped/diffusion
Resolution:	Depend on gas
Precision:	5%FS(Depend on gas)
Datalogger:	100000 sets history records, 1000 sets alarm events, 1000 sets calibration records, 100 sets bump test records, 100 sets system records
Response:	≤60s(T90)
Screen:	2-inch dot matrix screen (160 * 96 resolution) 180° rotate, with backlight
Unit:	μmol/mol, PPM, mg/m ³ , %VOL, %LEL, etc
Language:	Chinese/English (Other languages are customized)
Working temperature:	-20~50°C
Working humidity:	10~95%RH
Working pressure:	86~106kpa
Working hours:	15 hours with pump on, 20 hours with pump off (Except flammable gas)
Alarm type:	low alarm, high alarm, STEL, TWA, low battery, man down alarm, over range, bump test failed, bump test due, calibration due
Alarm mode:	Light, voice, vibration
Alarm decibel:	≥95db(@30cm)
Explosion-proof grade:	Ex ia IIC T4 Ga / Ex da ia IIC T4 Ga
Protection grade:	IP66/IP68
Material:	PC+TPU
Size:	133*64*60.7mm (with clip), 133*64*47.7mm (without clip)
Weight:	about 251g