دقیق تجهیز

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SAFEGAS
Specialized in Gas Detection for 16 Years

MiniMeta

MiniMeta Single gas detector

Product overview

MiniMeta is a maintenance-free single gas detector, the most reliable, user-friendly, cost-effective detection solution for worker safety and operational compliance. It's IECEx, ATEX, CNEX explosion proof certificated and meet the highest standards of quality and reliability to ensure workers'safety and compliance.MiniMeta is small, sturdy, ergonomic, and can be attached to a work coat or cap with alligator clips for easy carrying. MiniMeta can detect toxic and harmful gases like: carbon monoxide, hydrogen sulfide, oxygen and sulfur dioxide, other toxic gases can be customized, which is widely used in petroleum, petrochemical, metallurgy, chemical and other industries for gas detection and personnel protection.

Product Advantage

- Low power consumption with long standby time

- Maintenance free: just turn on the device and it will run continuously –no calibration, no sensor replacement, no battery charging

- With self-test function, which can improve safety by automatic self-test

- Ultra-high buzzer alarm sound, 2 high-bright red LED up and down alarm, sound, light and vibration triple alarm to remind workers

- High point alarm, low point alarm, TWA, STEL multiple alarm types, the user can adjust the alarm set point as needed throughout the life cycle

- Automatic logging 10 sets of recent alarm events for easy and accurate record keeping

- Protection class IP68, splash-proof, dust-proof, explosion-proof, shock-proof, intrinsically safe circuit design

- Compact and lightweight design with two-button operation without extensive training

- Affordable, with low cost of ownership

- Small size, light weight, easy to carry

- The shell is made of high-strength materials, designed for a variety of harsh environments, comfortable and durable

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Technical parameters

MiniMeta Single gas detector

Gas Type	H2S
Sampling method	Diffusion
Detection range	0-100 ppm
Resolution	0.1ppm
Accuracy	≤±3%FS or ±10% (depending on the specific sensor)
Response time	≤30s(T90)
Principle	Electrochemical principle
Unit	PPM, mg/m3, %VOL, μmol/mol
Display	Gas name, concentration unit, measured value, electricity
Alarm mode	Sound, light, vibration alarm, high and low alarm values can be set by yourself
Alarm type	Low alarm, high alarm, STEL, TWA, low battery
Power supply mode	3.6V dry battery (non-removable and rechargeable)
Explosion-proof grade	ExiaIICT4Ga
Protection class	IP68
Executive standards	GB 12358-2006, GB 3836.1-2010, GB 3836.4-2010, JJF1421-2013, JJF1363-2019, JJF1364-2012, JJG 365-2008, IEC 60079-0-2017, IEC 60079-11-2
Working temperature	-20℃~55℃
Working humidity	0-95%RH (non-condensing)
Working air pressure	86~106kpa
Dimensions	90*60*33mm (length*width*thickness)
Weight	125g

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Normal gas types and paramaters (Other gases are not listed can be customized)

Detected gas	measure range	Optional ranges	Resolution	Response time
sulphur dioxide（SO2）	0-100ppm	0-100ppm	0.1ppm	≤10S
Oxygen（O2）	0-30%VOL	0-25%VOL	0.01%VOL/0.1%VOL	≤10S
Carbon monoxide（CO）	0-1000ppm	0-2000ppm	0.1ppm/1ppm	≤10S
Hydrogen sulfide（H2S）	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S

The standard configuration

Standard accessories：

- 1 calibration cap
- 1 copy of the manual
- 1 quality certificate

Application

▲ Petrochemical & Chemical Industry

▲ Municipal Engineering & Utilities

▲ Agricultural & Environmental Protection

▲ Electronic

▲ Food & Pharmaceutical Industry

▲ Other Industries

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