



SAFEGAS

Specialized in Gas Detection for 16 Years



MiniMeta-WH Single gas detector

Product overview

MiniMeta-WH is a maintenance-free single gas detector, the most reliable, user-friendly, cost-effective detection solution for worker safety and operational compliance. It offers up to 2 years of protection—with no need for calibration, sensor replacement, battery replacement or battery charging. It's IECEx, ATEX, CNEX explosion proof certificated and meet the highest standards of quality and reliability to ensure workers' safety and compliance.

MiniMeta-WH 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.



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Product Advantage

- Low power consumption and long standby time, the standby time is up to 2 years, no need to replace the battery
- 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
- 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



Technical parameters

MiniMeta-WH Single gas detector

| | |
|-----------------------|---|
| Gas Type | O2 |
| Sampling method | Diffusion |
| Detection range | 0-30%VOL |
| Resolution | 0.01%VOL |
| Accuracy | ≤ ± 3%FS |
| Response time | ≤30s(T90) |
| Principle | Electrochemical principle |
| Unit | PPM, mg/m3, %VOL I |
| 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 |

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