Diffusion Gas Detector

CO ppm
0

H2S ppm
0.0

O2 %VOL
20.93

EX %LEL
0

SAFEGAS-MicMeta

Y/+

MicMeta

Diffusion Gas Detector


Product overview

MicMeta is an IECEx/ATEX/EMC certified multi gas detector. It's light weight, small size. The standard gas type is multi 4 (CO H2S O2 LEL) gases and also support hundreds of selectable gases. It is with standard mandown alarm and data logging function, optional Lora and Bluetooth wireless data transmission, user is able to access data easily.

Product Advantage

- IP66/IP68 water & dust resistant and 1.5 meters drop resistant case, rugged and durable designs
- Compact, lightweight, small size with back clip, ergonomic and wearable design
- Standard man down alarm, password protection, ID identification function
- Real time value, TWA, STEL, MAX, MIN multiple numerical display
- With self-test function, which can improve safety by automatic self-test
- Standard 1000 data records and 100 events records
- Support firmware upgrade remotely
- With docking station to perform daily bump test and calibration (Optional)
- Wireless data transmission including Lora, Bluetooth (Optional)
- Low power consumption, battery run time is upto 24 hours per charge

Technical parameters

Working method:	Diffusion
Gas type:	Specified according to application
Principle:	Specified according to application
Measure range:	Specified according to application
Resolution :	Specified according to application
Response time(T90):	≤30S
Automatically test and calibrate after power-on	Including auto-test, calibration, auto-zero, maximum value (MAX), minimum value (MIN), STEL, TWA value
Unit:	ppm, mg/m3 can be switched by one key, and the concentration value is automatically converted by the system
Display:	Segment code LCD display
Calibration platform:	Modification, function testing and calibration operations can be performed on DKM-MicMeta docking station(optional)
Data Record:	1000 sets data records and 100 sets events records
Alarm:	95dB buzzer (@30cm), vibration alarm and flashing red bars and alarm status indication on the screen, alarm latched; diagnostic alarm and battery under voltage alarm, man down alarm, alarm set points for all sensors are user adjustable
Battery:	3.7V rechargeable lithium battery, battery capacity 2300mA
Wireless transmission:	Bluetooth transmission function (optional), Lora transmission function (optional)
Working hours:	Standby time 24h, charging time <6h
Certification (EU regulations):	2004/34/UE (ATEX)
Explosion-proof grade:	IECEx: Ex ia IIC T4 Ga, Ex ia I Ma, ATEX Ex II 1G Ex ia IIC T4 Ga, Ex ia I Ma
Protection grade:	IP66/IP68
Working temperature:	−20°C ~ 55°C
Working humidity:	0-95%RH (non-condensing)
Working pressure:	86 ~ 106Kpa
Size:	45*58*116mm (length * width * height)
Weight:	240g (with lithium battery)