

SEM332 Compound multi-gas detector

OVERVIEW

SEM332 is an intrinsically safe compound detector developed for environments containing explosive or toxic gases. It can detect four gases: oxygen, combustible gas, carbon monoxide, and hydrogen sulfide.

FEATURES

- The shell has high strength and adopts an appearance design with a high-definition color screen, which is convenient to check the gas status and can set high and low alarm values;
- The product has three alarm functions: sound, light, and vibration, and has a storage function, which can store up to 130,000 items. The historical data can be checked at any time through the configuration software.
- Using electrochemical, catalytic combustion, and diffusion monitoring principles, it can detect four gases: oxygen, combustible gas, carbon monoxide, and hydrogen sulfide, with excellent sensitivity and repeatability.



SPECIFICATION

Detection gas	Carbon monoxide (CO)	Hydrogen sulfide (H2S)	Combustible gas (CH4)	Oxygen (O2)	Ozone (O3)	Carbon dioxide (CO2)
Detection range	0-1000 ppm	0-100ppm	0-100% LEL	0.0-30.0%VOL	0~10.00ppm	0-5000 ppm
Test content	75/300/700 ppm	20/50/80ppm	10%/40%/60%LEL	5.0%/15.0%/25.0%VOL	2/5/8ppm	1000/2500/4000ppm
Calibration flow	0.2 L/min	0.2 L/min	0.5 L/min	0.3 L/min	0.02 L/min-	0.2 L/min
Indication error	±5ppm	±2ppm	±5%FS	±3%FS	0.01ppm	1ppm
Repeatability	≤2%	≤2%	≤2%	≤1%	≤2%	≤2%
Zero drift	±3ppm	±2ppm	±2%FS	±1%	±1%	±2%FS
Range drift	±5%	±3ppm	±3%FS	±1%	±1%	±3%FS
Alarm action value	50/150ppm	10/35ppm	20/50%LEL	19.5/23.5%VO	-	-
Response time	Diffusion type≤60S					
Insulation resistance	≥20MΩ					
Alarm function	sound, light, vibration					
Working environment	temperature -10°C-50°C; humidity <95%RH no condensation					
Working voltage	DC3.7V (Lithium battery capacity 3000mAh)					
Explosion-proof mark	Ex ib IIB T3 Gb					
Charging time	6h-8h					
Standby time	more than 8h continuous					
Protection class	IP65					
Backlight	Automatically turns on when working in low light or when an alarm sounds, or the button is tied down					
Signaling device type	Low and high alarm, multiple gas alarm, touch alarm, low battery alarm, fast tone, automatic shutdown alarm					

DIMENSION



ORDER CODE

SEM332	Compound multi-gas detector		
	CODE	Parameters	
	O2	O2 transmitter 30VOL range	
	H2S	H2S transmitter 100 ppm range	
	CH4	CH4 transmitter 100 LEL range	
	CO-1000P	CO transmitter 1000 ppm range	
	CO2-5000P	CO2 transmitter 5000ppm range	
	NH3	NH3 transmitter 100ppm range	
	PH3	PH3 transmitter 20ppm range	
	O3	O3 transmitter 100ppm range	
		CODE	The number of gas types
	1	1 types	
	2	2 types	
	...	More types (please specify)	
SEM332	O3+CO2+CH4	2	Order example