

Portable Multi-Gas Detector

Diffusion type E110



■ APPLICATIONS

E110 is an intrinsically safe portable gas detector that can continuously detect the concentration of combustible gases, toxic gases, or oxygen. It is suitable for explosion-proof, toxic gas leakage rescue, underground pipelines and other places, and can effectively ensure that the life safety of workers is not violated, and production equipment is not damaged.

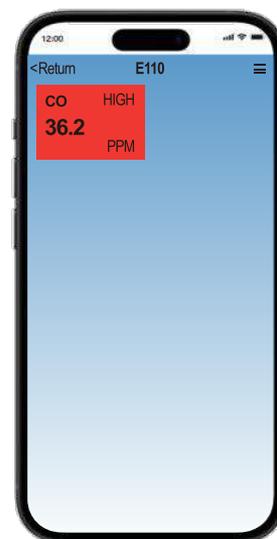
The shell of the detector is made of high-strength engineering plastic and composite anti slip rubber, which has high strength, good hand feel, and is waterproof and dust-proof.

■ TECHNICAL FEATURES

- Advanced ultra-low power MCU
- Ultra wide viewing-angle graphic LCD display
- Self-check of combustible gas sensor fault
- Real-time clock display
- Automatic calibration function to reduce detection errors
- Audible, visual, and vibration alarming signals
- Multiple alarms of Low-alarm, High-alarm, TWA, STEL, over-range, and battery undervoltage alerts
- Capable of parameter settings, log storage, export, and other functions (optional)
- Self-check function after power on (self diagnosis and repair)
- Password management to avoid wrong operation
- ATEX and IECEx approved



E110
Diffusion type



APP
Demonstration

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APPLICATION SCENARIOS



Petroleum and Petrochemicals



Emergency rescue



Offshore platform



Pharmaceutical and Chemical Industry



Industrial waste gas



Incineration power generation

PARAMETERS

Detection method	Diffuse naturally	Power source	DC 3.7V rechargeable Lithium battery	
Sensor type	Catalytic, electrochemical etc.	Working time	≥8h (continuous working after full charge; @20°C no alarming state)	
Display deviation	Combustible: ±5 %FS	0-100%LEL	Charging environment Temperature: 0°C ~ 45°C Humidity: < 95%RH (no condensation) Air pressure: 90kPa ~ 110kPa	
	CO: Absolute deviation: ±5 ppm	0-500PPM		
	Relative deviation: ±10%			
	H2S: Absolute deviation: ±2 ppm	0-100PPM		
	Relative deviation: ±10%			
Response time	O2: ±2%F.S.	0-25%VOL	Sensor lifespan	2 years
	Other gases: depends on the specific sensor. Please contact the dealer or manufacturer.		Ingress protection	IP67/IP68
			Ex-proof grade	Catalytic sensor: Ex ia IIC T3 Gb / Ex ib IIIC T195°C Db Other sensors: Ex ia IIC T4 Ga / Ex ib IIIC T130°C Db
Indication method	LCD screen display of real-time data and system status; Visual/audible/vibration indication of alarm, fault and low voltage.	Certificate	ATEX and IECEx by CSA	
		Dimension	97×53×22.5mm	
Comm. method	Bluetooth/USB cable (optional)	Weight	About 115g	
Working environment	Temperature: -20°C~55°C Humidity: <95%RH (no condensation) Air pressure: 90kPa~110kPa	Featured functions	Parameter settings, log storage & export functions (optional)	