Portable Multi-Gas Detector

E410: Diffusion type/ E410P: Pumped type

APPLICATIONS

E410 / E410P is mainly used in the fields of petroleum, petrochemical, chemical, food, pharmaceutical, emergency rescue, etc. It can achieve the simultaneous detection of 1-5 gases. The product supports Bluetooth (optional) and 4G (optional) wireless functions, and remote monitoring provides stronger security for on-site workers. Adopting 2 different sampling methods (natural diffusion and built-in pump suction), it can meet customers' different scenario requirements such as daily inspections and confined spaces.

TECHNICAL FEATURES

- **Compact and lightweight in size:**
  The product is sturdy and durable, with a size only 4/5 of the size of the iPhone 15, suitable for one handed grip operation
- **One-click shortcut operation:**
  Support one click mute, one click pump on/off (E410P), convenient operation effectively improves work efficiency
- **Multiple detection principles:**
  Support various sensors such as infrared, electrochemical and PID, which can meet more than 10 gas detection needs
- **Long-life O2 sensor:**
  Support O2 sensor with a service life of 5 years, effectively reducing the risk of leakage
- **Up to 5-gas detection:**
  Supports dual-sensor (CO and H2S), which can meet customers' needs for simultaneously detecting five types of gases
- **Multiple wireless signal:**
  Support Bluetooth / 4G networking mode, paired with a mobile app for convenient remote real-time monitoring
- **Large LCD screen display:**
  Equipped with a 2.5-inch LCD screen with built-in high brightness backlight for more intuitive information display
- **Easy to operate and learn:**
  4- button design and easy to learn interactive logic enable users to operate in a "foolproof" manner beyond the user manual
- **Long endurance working time:**
  Large capacity lithium batteries meet the requirements of long endurance work, with E410 endurance time ≥ 14h and E410P ≥ 12h
- **Advanced temperature compensation algorithm:**
  When the temperature of the sensor changes, it can automatically compensate and improve the accuracy and reliability of gas detection



E410
Diffusion type

E410P
Pumped 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

Sampling method	Diffusion type E410 / Pumped type E410P	Detection principle	IR,Electrochemical, PID.,etc.
Sensor channel	≤4	Working time	E410≥14h，E410P≥12h
Ex grade	Ex ib IIC T4 Gb/Ex ib IIIC T130℃ Db	IP calss	E410 IP67，E410P IP66
Dimension	122.5（H）x 68（W）x 30.5（D）mm (Without clip)	Weight	E410 204g，E410P 228g
Indication method	· LCD displays real-time data and detector status · Visual / audible / vibrative alarming signals for gas leakage, low battery voltage, over range, sensor fault etc.		
Ambient condition	· Temperature：-20℃～55℃ · Humidity：< 95%RH (No condensation) · Air pressure：90kPa~110kPa		