Portable Six-in-One Gas detector
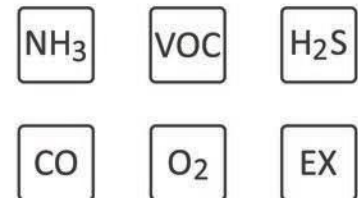
At Safewill, we always put your safety first

Safewill ES60A is the smart,simple,economical way to compliance. Workers feel safe and incidents are minimized so everyone will be able to do more.That means savings realized from business continuity and productivity. With the addition of ES60A, this multi-gas detector offers continuous visual confirmation of detector operation and compliance.

- Minimize costs and training with six-button operation
- Pump-priming sampling technology can obtain accurate sampling results
- Compact, comfortable, portable,be sturdy and durable

ES60A Product Description

ES60A adopts 32-bit microprocessor, 3.5-inch TFT color LCD display, sound and light vibration display alarm, fall alarm and other alarm methods. The display is clear and beautiful, easy to operate, fast response time, etc. It can detect many kinds of gases at the same time, and the gas can be flexibly configured according to the customer's demand. Adopt original imported sensor, high sensitivity, fast response.

Gas Outlet Hole

Pocket Clip

Parameter Label

Sampling Pump

Light Vibration Triple Alarm

On-Off Buttons

Operation Buttons

Sound Alarm

NH_3 VOC H_2S

CO O_2 EX

* Multiple gases can be detected simultaneously, and gas types can be flexibly configured according to customer needs.

FEATURES & BENEFITS

- Smart sensors, flexible change, most can detect six kinds of gas at thesame time

- Pump suction sampling, sampling distance of more than 10 meters

- Fall alarm function, prevention workers poisoning faint signal alarm calls

- Support bluetooth communication, optional bluetooth printer

- Six gases at the same time display, single display, curve of three kinds of interface can be switched

- Gas path blockage detection alarm, effectively protect the getter pump and sensors

- Modular battery, can replace the battery, external physical interface only charging interface

- Calibration time remind of sensor and sensor life remind

- Built-in water dust filter and temperature compensation function to ensure accuracy of measurement

- 3.5 -inch color LCD screen, display in both English and Chinese, the gas concentration unit support PPM, PPB, PPH, VOL %, % LEL, mg/m3, ug/m3

- Computer export data, check the curve, Bulk data recording

Safewill ES60A Technical Specification

TECHNICAL SPECIFICATIONS

SIZE	206.5x70x36mm
WEIGHT	9.88oz/280g
TEMPERATURE RANGE	-20 to 50℃ (special requirements need to be customized)
HUMIDITY RANGE	10-95%RH(no condensation)
PRESSURE RANGE	86-106 Kpa
SELF-TEST	Audible/Visual alarms on activation,Sensors, Battery,Circuitry
ALARMS AND TYPE	Visual,Vibrating,Audible;Low,High,TWA, STEL,OL(over limit),Low Battery
DETECTION MODE	Pump suction type
DETECTION PRINCIPLE	Catalytic combustion, infrared detection, electrochemistry, photoionization, PID, thermal conductivity
BATTERY CAPACITY	7500mAh Large capacity lithium battery
ACCURACY	≤±3%F.S
RESPONSE TIME	T90＜30S
WORKING HOURS	> 10 hours (at room temperature, no alarm)
CHARGING TIME	≤12 hours
CERTIFICATIONSAND APPROVALS	CE FC SIL RoHS ATEX: ⟨Ex⟩ II 2G Ex ib IIB T3 Gb Tamb: -20 to 50°C Support customization
WARRANTY	One year warranty

SENSOR SPECIFICATIONS

GASES	STANDARD MEASURING RANGE	RESOLUTION
Carbon Monoxide(CO)	0-500ppm	1ppm
Hydrogen Sulfide(H2S)	0-100ppm	1ppm
Ammonia(NH3)	0-50/100ppm	0.1/1ppm
Carbon Dioxide(CO2)	0-1/2/5/10%VOL	0.1/1%VOL
Oxygen(O2)	0-5/10/25%VOL	0.1/1%VOL
Sulfur Dioxide(SO2)	0-200/500ppm	1ppm
Methane(CH4)	0-5/100%VOL	1%VOL
Combustible Gas(EX)	0-100%LEL	1%LEL
Volatile Organic(VOC)	0-50/100/200ppm	1ppm
Hydrogen Cyanide(HCN)	0-50ppm	1ppm
Fluorine Gas(F2)	0-1ppm	0.1ppm
Nitrogen(N2)	0-30%VOL	1%VOL
Argon Gas(Ar)	0-30%VOL	1%VOL

* The above gas selection table is only a partial display, if you need a detailed gas selection table, please contact us.

* Alarm setpoints for all sensors are user adjustable. Setpoint are automatically displayed during instrument start-up.

Bluetooth Printer (Optional)

Support Bluetooth Communication
Optional Bluetooth Printer

APPLICATION SCENARIOS

Petrochemical Industry

Gas Pipeline

Underground Pipe Gallery

Metallurgical

CUSTOMER USAGE DIAGRAM