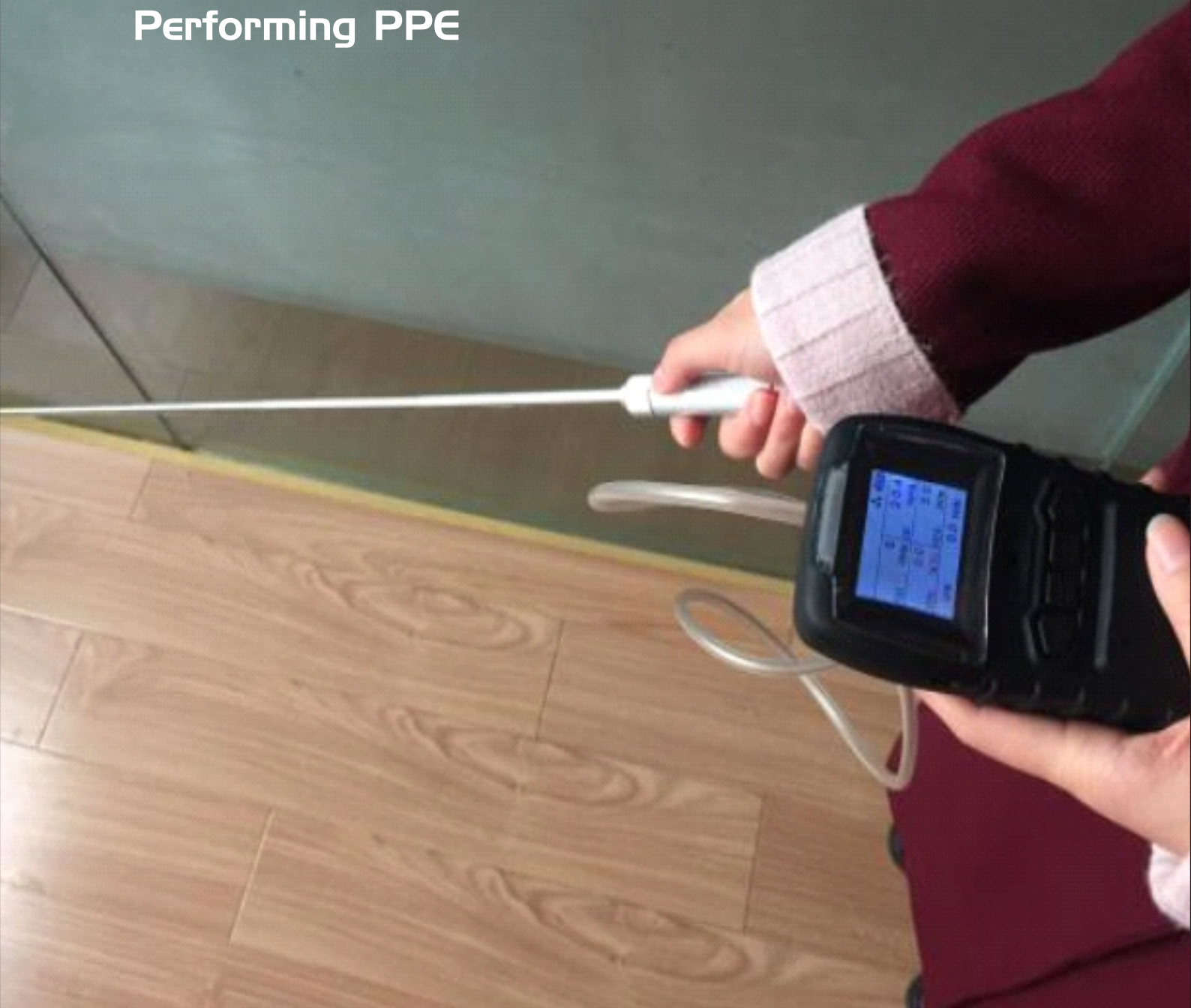




Performing PPE



## SAVIOUR GAS ADVANCED COMPACT (INBUILT PUMP)

Model No.: GDSAV-K60-V

[www.suresafety.com](http://www.suresafety.com)

**Sure**  
**Safety**  
Complete Safety Solutions

## Saviour Gas Advanced Compact (Inbuilt Pump)

The Saviour Gas Advanced Compact represents a comprehensive, compact solution, equipped with up to five sensors for detecting oxygen, combustibles, hydrogen sulfide, carbon monoxide, sulfur dioxide, VOCs, and more (gas types customizable upon client specifications). Its standout features encompass user-friendly operation, a clear 4-digit LCD display with distinctive color coding, data logging capabilities, a water-resistant casing, and sensors boasting high sensitivity.



### TECHNICAL SPECIFICATIONS

Sensor Cell	Equipped high stability and sensitivity sensor
Sensor Service Life	<ul style="list-style-type: none"><li>• Electrochemistry and catalytic combustion sensors have a service life of 2 years, while Infrared or UV sensors have a service life of 5 years.</li></ul>
Operating Voltage	3.7V rechargeable lithium battery, continuously working for 10hrs.
Data Interface	USB interface for convenient data transfer.
Display	Color screen 2+2 digits LCD display for clear visibility.
Data Storage	9600pcs data records stock. Can be uploaded to PC.
Alarm Buzzer	Features a 90dB alarm buzzer for immediate notification.
Alarm Mode	Acousto-optic alarm for enhanced safety measures.
Alarm Error	Error margin $\leq \pm 3\%$ for accurate alarm triggering.
Ambient Temperature	Operational within a temperature range of $-20^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ .
Relative Humidity	15% to 95%RH (non condensing).
Material	Utilizes diffusion or pump method for gas detection.
Pumping Tube	Includes a 150cm long pumping tube for versatile applications.
Dimensions	Measures 133mm (L) x 70mm (W) x 36mm (H).
Explosion-Proof Grade	ExdII Ct3 certified for safe operation in hazardous environments.
Weight	Weighs 0.5kg (including charger and detection probe)
Warranty	Covered by a 1-year warranty

## KEY HIGHLIGHTS

1. Light weight and small size design( $\leq 300\text{g}$ ), easy to operate;
2. Excellent built-in 90dB audible vibration alert for use in areas of high ambient noise applications;
3. Strong, protective, concussion-proof shockproof design for normal working in harsh environments;
4. Easy access to pump, sensors, filter and battery compartment without exposing electronic components to potential damage;
5. Rechargeable lithium battery for 10+ hours continuously operation;
6. Intuitive simple-to-operate four-button;
7. With built-in pump
8. Color screen 2+2 digits LCD display presenting real time gas concentration data and corresponding gas types;
9. Full featured self-test: sensors, lithium battery, circute integrity and Triple alarms (audible, visual, vibrating);

## ADVANTAGES

1. Reliable sensor technology with long service life.
2. Extended operational time with rechargeable battery.
3. Clear monitoring with color LCD display.
4. Durable construction for harsh conditions.
5. Versatile detection methods: diffusion and pump.
6. Compact and portable design for convenience.
7. Robust 90dB alarm system for immediate notification.
8. Ample data storage and easy transfer.
9. Covered by a 1-year warranty.

## APPLICATION

1. Ensures safety in industrial settings.
2. Detects environmental pollution.
3. Monitors gas levels at construction sites.
4. Ensures safety in mining operations.
5. Assists emergency responders.
6. Conducts laboratory research.
7. Checks indoor air quality.
8. Maintains HVAC system safety.
9. Monitors gas levels in transportation.
10. Helps handle hazardous materials safely.



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## PERFORMANCE

Gas Types	Detection Range	Resolution	Response Time	Alarm Values
Co	0-1999ppm	1ppm	T90≤25s	customize
H2S	0-100 ppm	0.1 ppm	T90≤30s	customize
CH4/LEL	0-100%lel	0.1%vol	T90≤20s	customize
PID (VOCs≤10.6eV)	0-1999.9ppm	0.1%lel	T90≤20s	customize
O2	0-30%vol	0.1%vol	T90≤15s	customize

## CERTIFICATION

- Electromagnetic Compatibility 2014/30/EU EN 61326-1:2013
- Tested by notified body

*Inset pump*



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## CUSTOMIZED GAS RANGE

Gas Types	Detection range	Response Time	Resolution	Alarm Values
O2	0-25%vol/30%vol	T90≤20s	0.1%vol	18.0%vol/23.0%vol
LEL(CH4,EX,LPG)	0-100%LEL	T90≤30s	1%LEL	25.0%LEL/50.0%LEL
CO	0-1000 ppm/2000ppm	T90≤30s	1 ppm	50ppm/100ppm
H2S	0-200 ppm	T90≤30s	0.1 ppm	10ppm/20ppm
So2	0-200ppm	T90≤30s	0.1 ppm	2 ppm /10 ppm
Cl2	0-20 ppm	T90≤30s	0.1 ppm	1 ppm /10 ppm
Nh3	0-100ppm/2000ppm	T90≤50s	1 ppm	25 ppm /50 ppm
No2	0-200ppm	T90≤25s	0.1 ppm	3 ppm /10 ppm
NO	0-1000 ppm	T90≤50s	1 ppm	25 ppm /50 ppm
O3	0-5ppm/20ppm	T90≤30s	0.1ppm	0.3ppm/5ppm
Ph3	0-10ppm	T90≤60s	0.1ppm	0.3ppm/5ppm
H2	0-2000ppm/4%vol	T90≤50s	1 ppm	50ppm /100ppm
HF	0-10ppm	T90≤50s	0.1ppm	3ppm /10ppm
HCL	0-30ppm/200ppm	T90≤50s	0.1 ppm	5ppm /10ppm
HCN	0-200ppm	T90≤200s	0.1ppm	10 ppm /20 ppm
CH4 (IR)	0-5.00%vol	T90≤60s	0.01%vol	1.00%vol/2.00%vol
PID (VOCs)	0-1999.9ppm	T90≤20s	0.1ppm	1000ppm/1500ppm
CO2(IR)	0-5.00%vol (0-1%vol)	T90≤60s	0.01%vol (0.001%vol)	1.00%vol/2.00%vol (customize)
C3H8(IR)	0-5.00%vol	T90≤60s	0.01%Vol	1.00%vol/2.00%vol
C2H4	0-100ppm	T90≤120s	0.1ppm	10ppm/20ppm

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