# Multi Gas Detector

## E4000 Portable Multi-gas Detector

### FEATURES

- Interchangeable smart sensor module
- GPS, GPRS and man down function (optional)
- MOS, catalytic, electrochemical, infrared, PID sensors selectable
- Built-in sampling pump (optional)
- Adjustable alarm levels and span calibration value
- Self-diagonstic and self-correction function

- Intrinsically safe
- STEL and TWA alarm for toxic gases
- Password management
- Real-time clock
- Self-test after power on
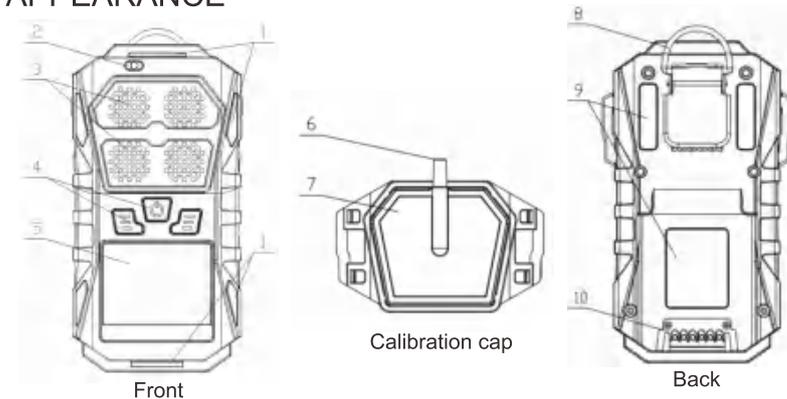- Visual, audible and vibrative alarm

### APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works, confined spaces etc.

E4000 portable multi gas detector (hereunder as the detector), is an intrinsically instrument that can continuously detect the concentration of combustible gases and toxic gases. It is applicable to explosion proof, toxic gas leak rescue, underground pipeline or mines and other places. It could Effectively ensure the safety of staff life without infringement, and production equipment is not subject to loss.
The detector adopts natural diffusion method to detect gas, It has high strength engineering plastics and composite with antiskid rubber housing, good hand-feeling, and water-proof and dust-proof.

### APPEARANCE



Front

Calibration cap

Back

1. Alarm light
2. Buzzer
3. Sensor
4. Button
5. LCD screen
6. Ventage
7. Calibration cap
8. Alligator
9. Label
10. Charging terminal

### SPECIFICATIONS   Note: For detecting other gases, please refer to our gas list.

| Measuring gas | O2 | CO | H2S | Combustible | Event log | 100,000 events |
|---|---|---|---|---|---|---|
| Measuring range | 0-25%VOL | 0-500ppm | 0-100ppm | 0-100%LEL | Working temperature | Toxic gases: -20℃ ~ 50℃ Combustible: -40℃ ~ 70℃ |
| Sensor type | Electrochemical | | | Catalytic | | |
| Measuring type | Diffuse naturally (pump sampling if pump is selected) | | | | Working humidity | <95%RH (no condensation) |
| Response time | $T_{90}$<30s | | | | Housing | Rubber enclosure |
| Display | LCD screen | | | | Standard accessories | Operation manual, calibration cap, charger, screwdriver, USB cable |
| Audible | ≥85dB at 1m | | | | | |
| Alarm method | Visual, audible and vibrative signals | | | | Dimension & weight | 147mm*76mm*37mm, about 350g |
| Battery | DC3.7V 6600mAh Lithium battery | | | | Ingress protection | IP66 |
| Operating life | 8 to 300h (depends on the gas integration) | | | | Ex grade | Ex ia IIC T4 Gb |

# Gas List of Hanwei Gas Detectors

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| Gas | Standard Range | BX171 | BX176 | BX616 | E1000 | E4000 | E6000 | TC100N |
|---|---|---|---|---|---|---|---|---|
| Combustible | 0-100%LEL | | √ | √ | √ | √ | √ | √ |
| CO | 0-500ppm | √ | √ | √ | √ | √ | √ | √ |
| O2 | 0-25%VOL | √ | √ | √ | √ | √ | √ | √ |
| H2S | 0-100ppm | √ | √ | √ | √ | √ | √ | √ |
| NH3 | 0-100ppm | | √ | | √ | √ | √ | √ |
| CL2 | 0-10ppm | | √ | | √ | √ | √ | |
| CO2 | 0-6000ppm | | | | √ | √ | √ | |
| CO2 | 0-5%VOL | | | | √ | √ | √ | |
| NO | 0-1000ppm | | | | √ | √ | √ | |
| NO2 | 0-20ppm | | | | √ | √ | √ | |
| PH3 | 0-20ppm | | | | √ | √ | √ | |
| SO2 | 0-30ppm | | √ | | √ | √ | √ | |
| H2 | 0-1000ppm | | √ | | √ | √ | √ | |
| HF | 0-10ppm | | √ | | √ | √ | √ | |
| HCL | 0-20ppm | | | | √ | √ | √ | |
| HCN | 0-20ppm | | | | √ | √ | √ | |
| ETO | 0-100ppm | | | | √ | √ | √ | |
| VOC | 0-500ppm | | | | √ | √ | √ | |
| VOC | 0-10ppm | | | | √ | √ | √ | |

# Gas List of Hanwei Gas Detectors

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| Gas | Standard Range | BS03 | GTQ-BS01 | GTQ-BS02 | GTQ-BS03 | GTQ-WD2200 | GTQ-WD6200 | GTYQ-WD6200IRII |
|---|---|---|---|---|---|---|---|---|
| Combustible | 0-100%LEL | √ | √ | √ | √ | √ | √ | √ |
| CO | 0-500ppm | √ | | | √ | √ | √ | |
| O2 | 0-25%VOL | √ | | | √ | √ | √ | |
| H2S | 0-100ppm | √ | | | √ | √ | √ | |
| NH3 | 0-100ppm | √ | | | √ | √ | √ | |
| CL2 | 0-10ppm | √ | | | √ | √ | √ | |
| CO2 | 0-6000ppm | √ | | | √ | √ | √ | |
| CO2 | 0-5%VOL | √ | | | √ | √ | √ | |
| NO | 0-1000ppm | √ | | | √ | √ | √ | |
| NO2 | 0-20ppm | √ | | | √ | √ | √ | |
| PH3 | 0-20ppm | √ | | | √ | √ | √ | |
| SO2 | 0-30ppm | √ | | | √ | √ | √ | |
| H2 | 0-1000ppm | √ | | | √ | √ | √ | |
| HF | 0-10ppm | √ | | | √ | √ | √ | |
| HCL | 0-20ppm | √ | | | √ | √ | √ | |
| HCN | 0-20ppm | √ | | | √ | √ | √ | |
| ETO | 0-100ppm | √ | | | √ | √ | √ | |
| VOC | 0-500ppm | √ | | | √ | √ | √ | |
| VOC | 0-10ppm | √ | | | √ | √ | √ | |