

# Portable pump-suction gas detector



## Model: OC-903

### ■ Feature

- ◆ Semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.
- ◆ 2.4 inch IPS industrial grade color screen.
- ◆ Support Chinese or English operation menu.
- ◆ Detecting data available for PPM, %VOL, mg/m3.
- ◆ For 1~4 gas detecting, single gas and some composite gas.
- ◆ Explosion proof grade is Exia II CT4.

### ■ Function

- ◆ Inspect the gas concentration and alarm when it reaches preset alarm level.
- ◆ With auto-test and data recover function.
- ◆ One-key operation to restore to factory default setting.
- ◆ Temperature and pressure compensation.
- ◆ Adjustable two-stage audible-visual alarm threshold value.
- ◆ Powered by rechargeable lithium battery with big capacity.
- ◆ Working under the micro negative pressure is available.
- ◆ Overload protection, over charge protection, anti static interference, anti magnetic interference, etc.

### ■ Applications

Common applications include chemical industry, petroleum, gas station, metallurgy, agriculture, biology pharmaceuticals, power, lab research and other industry environment where need to inspect combustible or toxic gas concentration.

### ■ Specifications

|                              |  |                           |                         |
|------------------------------|--|---------------------------|-------------------------|
| <b>Gas type</b>              | Combustible gas, oxygen, toxic gas   |                           |                         |
| <b>Working principle</b>     | Catalytic combustion for combustible gas;<br>Electrochemical for toxic gas and oxygen. |                           |                         |
| <b>Sensor</b>                | At most 4 sensor   |                           |                         |
| <b>Measure range</b>         | Referring to the gas list.   |                           |                         |
| <b>Resolution</b>            | Referring to the gas list  |                           |                         |
| <b>Precision</b>             | 3%FS   |                           |                         |
| <b>Sampling method</b>       | Pump-suction, flow rate of 100-1000mL L/min. (Adjustable)                              |                           |                         |
| <b>Data storage</b>          | About 100000 group of data capacity.   |                           |                         |
| <b>Response time</b>         | ≤20S/10S   | <b>Recovery time</b>      | ≤20S                    |
| <b>Repeatability</b>         | ≤±1%   | <b>Linearity</b>          | ≤±1%                    |
| <b>Zero drift</b>            | ≤±1% (F.S/year)  | <b>Display</b>            | LCD dot matrix display  |
| <b>Operating language</b>    | Chinese or English   | <b>Concentration unit</b> | ppm or mg/m3            |
| <b>Working temperature</b>   | -30℃~60℃   | <b>Working humidity</b>   | 0-95%RH(non-condensing) |
| <b>Explosion-Proof grade</b> | Exia II CT4  | <b>Protection grade</b>   | IP65                    |
| <b>Alarm mode</b>            | Audible, visual, vibration   | <b>Working pressure</b>   | -30Kpa ~ 100Kpa         |
| <b>Dimensions</b>            | 180*80*60mm  | <b>Weight</b>             | 0.5KG                   |

|                  |   |
|------------------|---|
| <b>Accessory</b> | Box, instruction, USB charger , data line, calibration cap. |
|------------------|---|

## Target Gas List

| Gas               | Detecting Range | Resolution | Sensor Type                 |
|-------------------|-----------------|------------|-----------------------------|
| Combustible (CH4) | 0-100%LEL       | 0.1%LEL    | Catalytic combustion sensor |
| CO                | 0-1000 PPM      | 1PPM       | Electrochemical sensor      |
| O <sub>2</sub>    | 0-30%vol        | 0.1%vol    | Electrochemical sensor      |
| H <sub>2</sub> S  | 0-100 PPM       | 0.01PPM    | Electrochemical sensor      |

If you need other gas type or measuring range, pls contact us.

## Package



**Ada Bu**

**Henan Oceanus Import & Export Co., Ltd.**

**Email: [adabu66@hotmail.com](mailto:adabu66@hotmail.com)**

**Skype:adabu66**

**Tel:( 0086) 15981942832      Whatsapp:008615981942832**