



Introduction



Description:

OC-905 Portable Carbon Disulfide CS₂ gas detector designed with the inner pump and the famous brand sensors, with stable performance and high accuracy. Used to detect the single gas concentration for the Combustible gas, Toxic gas, Carbon Dioxide, Oxygen, TVOC, etc. It can directly display the gas concentration data on the screen, the data also could be exported to the computer by USB cable.

For the portable Carbon Disulfide CS₂ gas detector, the common applications is gas safety inspection and alarm for industrial scene, such as petroleum refinery, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection, etc., where need to inspect the CS₂ gas concentration.



Features:

Used the original imported sensor, semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.

2.5 inch dot matrix display interface.

All English operation menu and easy operation.

Unit data available for ppm and mg/m³.

The circuit installed the four layers of wire, so well anti-interference.

Explosion proof grade is Ex ib IIC T4 Gb.



Function:

Inspect the gas concentration and alarm when it reaches preset alarm level.

High accuracy, good stability and good repeatability, long working life.

One-key operation to restore to factory default setting.

Adjustable two-stage audible-visual alarm threshold value.

Powered by rechargeable lithium battery with big capacity.

The built-in pump could be controlled.



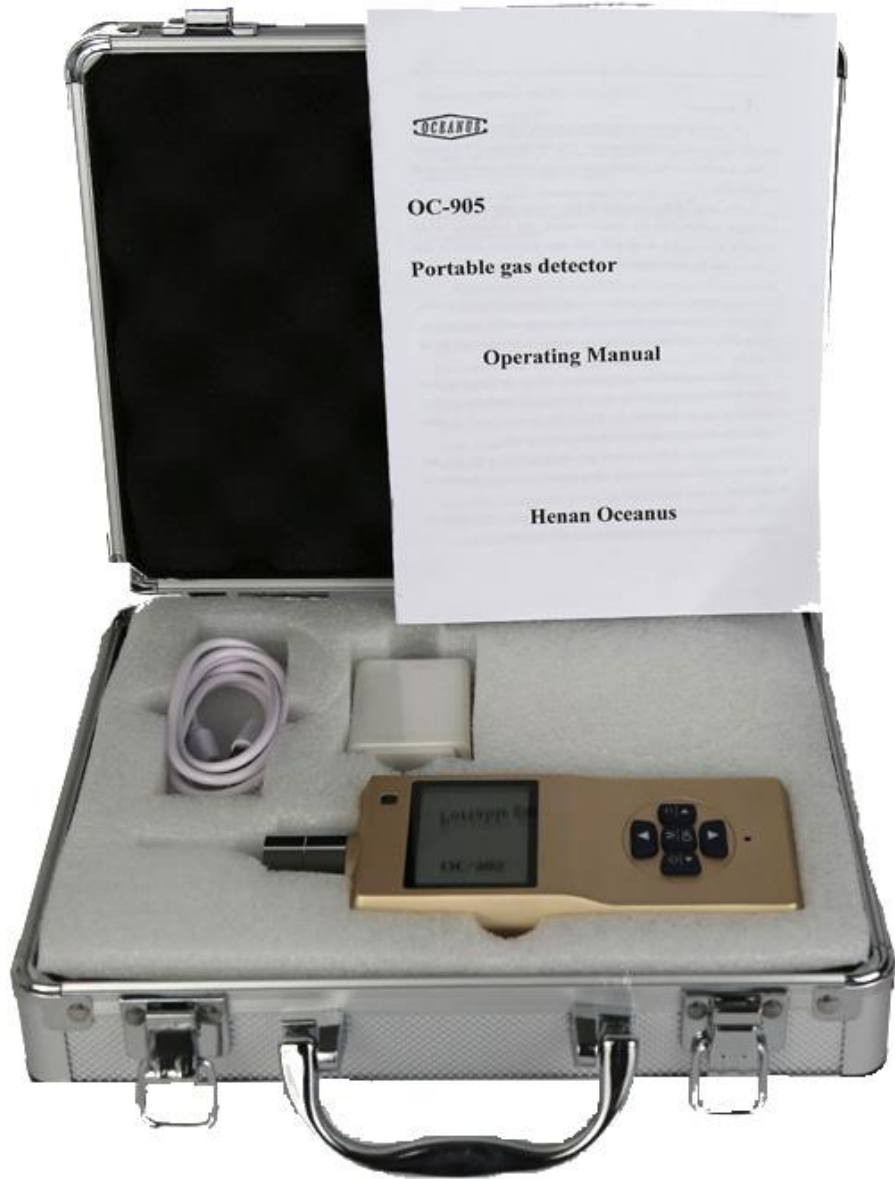
Technical Parameter:

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|-------------------|--|
| Gas type | Carbon Disulfide (CS ₂) |
| Measuring range | 0~10ppm, 50ppm, 100ppm, 1000ppm or Customized. |
| Working principle | Electrochemical sensor (Optional PID sensor) |
| Resolution | 0.01ppm, 1ppm |
| Precision | ±≤3%FS or Customized |
| Repeatability | ≤±1% |
| Zero drift | ≤±1%(F.S/year) |

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|-----------------------|--|
| Sampling mode | Pump-suction sampling (Flow rate of 300ml/minute) |
| Data storage | Can record 300000 group of measuring data |
| Response time | T90≤20s |
| Recovery time | ≤20s |
| Pre-heating time | ≤60s |
| Display | LCD dot matrix display of the Gas type, gas concentration unit, gas concentration data, time, battery status, data storage status; |
| Concentration unit | ppm, mg/m ³ |
| Working environment | Working temperature: -20°C ~ 60°C Working humidity: 10%-95%RH(non-condensing) Working pressure: 86Kpa ~ 106Kpa |
| Explosion-Proof grade | Ex ib IIC T4 Gb |
| Protection grade | IP66 |
| Alarm mode | Audible, visual |
| Shell material | Metal |
| Power supply | 3.7VDC, 2800mAh, Rechargeable lithium battery DC5V USB charger |
| Charge time | ≤6 hours |
| Working time | ≥24 hours |
| Dimensions | 135*65*35mm |
| Weight | 0.5KG |

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| Accessory | Box, instruction, USB charger , data line |
| Quality standard | GB15322.1-2003,GB3836.1-2010,GB3836.2-2010,GB3836.4-2010 |





OC-905

Portable gas detector

Operating Manual

Henan Oceanus