

# PORTABLE GAS DETECTOR

**H1600**



## PORTABLE SINGLE GAS DETECTOR H1600



Sound, Light,  
Vibration

PC+ABS+Rubber  
Drop Protection



'ia' Design  
IP66

Advanced Sensors  
Fast Response



Rechargeable  
2 Weeks Operation

Compact Design  
One Button



H1600 portable gas detector can detect toxic gases such as oxygen, H<sub>2</sub>S, ammonia, carbon monoxide. This gas detector is a one of the world smallest detectors (63W x 64H x 43D mm). Based on the advanced intrinsically safe 'ia' design, and the IP66 ingress protection, H1600 can keep you safer. By supporting type-C USB technology, the alarm record can be easily upload.

## Specifications

| Description                  | H1600  |
|------------------------------|--|
| <b>Function</b>              |  |
| gas detected                 | toxic gas、O2   |
| measure range                | see QUICK-SELECTION-TABLE                            |
| response time*               | T90≤30/60/180S                                       |
| accuracy*                    | ≤±5%FS   |
| repeatability*               | ≤2%FS  |
| sampling method              | diffusion  |
| <b>Electric</b>              |  |
| battery                      | rechargeable Li-battery 750mAh, nominal voltage 3.7V |
| continuous operation         | around 14 days                                       |
| charging time                | 3-5h   |
| <b>Alarm</b>                 |  |
| alarm method                 | sound,LED light,vibration                            |
| sound intensity              | ≥90dB  |
| <b>Display and Operation</b> |  |
| display                      | LCD  |
| button                       | 1 (POWER)  |
| <b>Environment</b>           |  |
| ingress protection           | IP66   |
| operating temperature*       | -20°C~60°C   |
| operating humidity           | 10~95%RH non-condensing                              |
| operating pressure           | 80-120kPa  |
| <b>Structure</b>             |  |
| body material                | PC+ABS   |
| weight                       | about 110g   |
| dimensions                   | 63W x 64H x 43D mm                                   |
| <b>Certificates</b>          |  |
| EX                           | Ex ia II CT4 Ga                                      |

Note:\* refers to there's some difference vary from different gas, please contact the manufacturer for details.

## QUICK SELECTION TABLE -- GAS DETECTED

| NO. | Gas | Measure range | Resolution |
|-----|-----|---------------|------------|
| 1   | O2  | 0-25%VOL      | 0.1%VOL    |
| 2   | CO  | 0-1000ppm     | 1ppm       |
| 3   | H2S | 0-100ppm      | 1ppm       |
| 4   | SO2 | 0-20ppm       | 0.1ppm     |
| 5   | H2  | 0-1000ppm     | 1ppm       |
| 6   | CL2 | 0-10ppm       | 0.1ppm     |
| 7   | NH3 | 0-100ppm      | 1ppm       |
| 8   | HCL | 0-30ppm       | 0.1ppm     |
| 9   | NO  | 0-250ppm      | 1ppm       |
| 10  | NO2 | 0-20ppm       | 0.1ppm     |
| 11  | ETO | 0-20ppm       | 0.1ppm     |

Note: 1, Any gas or measure range that not mentioned above, just contact AIYI Technologies for further information; 2, 1 $\mu$ mol/mol=1ppm



**AIYI Technologies**

TEL: 0086-25-87787361  
 FAX: 0286-25-87787362  
 WEB: www.AIYTEC.com  
 EMAIL: aitec@aiyitec.com



Authorized Distributor  
 WPLASMA CO., LTD.  
 11729-132 Street (Lambert) Rd, T.Boonville, IL-Lambert, Polk-Union IL 62438-7000  
 TEL: 618-949-4861-3, FAX: 618-949-4864  
 WWW.WPLASMA.COM  
 E-MAIL: WPLASMA@WPLASMA.COM  
 DUNS: 0895-454

Disclaimer: All pictures, configurations and parameters in this document are for reference only. There may be differences with the actual products. Any difference is subject to the latest real products.