

# 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℃~60℃
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	O <sub>2</sub>	0-25%VOL	0.1%VOL
2	CO	0-1000ppm	1ppm
3	H <sub>2</sub> S	0-100ppm	1ppm
4	SO <sub>2</sub>	0-20ppm	0.1ppm
5	H <sub>2</sub>	0-1000ppm	1ppm
6	CL <sub>2</sub>	0-10ppm	0.1ppm
7	NH <sub>3</sub>	0-100ppm	1ppm
8	HCL	0-30ppm	0.1ppm
9	NO	0-250ppm	1ppm
10	NO <sub>2</sub>	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, 1μmol/mol=1ppm



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