

Applications

O₂ gas detector measures the amount of oxygen in air.

Features:

- A portable detector for O₂ gas
- A loud semiconductor probe and an automatic quick warm-up.
- Audio and visual leakage alarm indicator.
- Ambient temperature display.
- Small size, light weight, and simplicity of use.



Technical Specifications

Model	ST 8100B
Measuring principle	Stabilized Electrochemical Gas Specific (O ₂), life of 2yrs
Range	0 ~ 25% Vol
Accuracy	±0.1%
Resolution	0.1
Response time	<50 sec
Alarm	Sound and light alarm
Features	Large backlit display with graph, ambient temperature display, alarms, low battery indication, auto power off
Operating	Temp: 0~50C, Humidity <90% RH
Power source	3 x 1.5V AAA batteries
Dimensions	112 x 66 x 32mm, 200g
Std accessories	Main unit, manual, box

The concentration of oxygen(%)	Symptoms (atmospheric pressure)
100%	Deadly, 6 minutes(Absolutely airtight environment, such as hyperbaric oxygen chamber)
50%	Deadly, can be cured after 45 minutes treatment. (Absolutely airtight environment, such as hyperbaric oxygen chamber)
>23.5%	Rich oxygen
20.96%	Normal
19.5%	Minimum
15~19%	Reduce efficiency, and lead to problems of head, lung and circulation system
10~12%	Shortness of breath, loss of judgment, purple lips
8~10%	governance loss, syncope, unconscious, pale, nausea and vomiting
6~8%	8 minutes, blood pressure, weak heartbeat,mouth breathing, quickly stopped breathing
4~6%	40 seconds, convulsions, respiratory arrest, death