

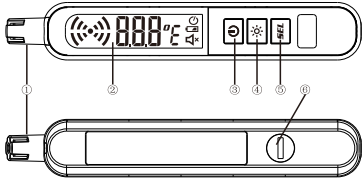
环境温度及可燃气体检测仪



注意事项

- 使用前应检查仪表和附件，谨防任何损坏或不正常的现象。如发现本仪表壳体已明显损坏以及液晶显示器无显示等，或者您认为本仪表已无法正常工作，请勿再使用本仪表。
- 在测量时，遵循使用操作说明。
- 请勿随意打开仪表，以及更改内部接线，以免损坏仪表。
- 当液晶显示器显示“”符号，应充电后再使用。
- 不要在高温、高温和强电磁环境中存放或者使用仪表。
- 本检测仪不是安全检测设备！为了您的人身安全，请勿将其用作监控仪器。
- 确保气体浓度不超过20%LFL（可燃性下限）。
- 在气体污染环境开机预热，将会使检测仪的报警阈值增加。
- 维护保养请使用软布及中性清洁剂清洁仪表外壳，切勿使用研磨剂及溶剂，以防外壳被腐蚀，损坏仪表。

产品描述



1. 产品外观描述

- | | |
|-----------------|----------|
| ① 可燃气体传感器 | ② 显示屏 |
| ③ 开关机按键 | ④ 背光开关按键 |
| ⑤ 温度单位切换/声音报警开关 | ⑥ USB充电口 |

1

2、开关与按键说明

-  电源按键：
长按：开机/关机。
开机后短按：取消自动关机功能。
-  背光开关按键：
短按：背光打开/关闭。
长按：无效。
-  功能按键：
短按：温度单位℃/°F切换。
长按：声音报警打开/关闭。

3、LCD符号说明

符号	说 明
	自动关机标识
	低电量提示
	可燃气体浓度模拟条
	摄氏度，华氏度
	报警功能图标



2

规格

概述

- 显示：LCD显示屏。
- 电池欠压指示：LCD显示符号。
- 传感器：NTC传感器、气敏传感器。
- 采样速率：1秒。
- 报警方式：模拟条、背光灯、马达振动及蜂鸣。
- 自动关机时间：约5分钟。
- 工作温湿度：0~40℃，0~90%RH。
- 存储温湿度：-20~60℃，0~75%RH。
- 供电：内置3.7V 400mA锂电池。
- 工作高度：最大2000米。
- 尺寸：170.6*27.6*20 mm。
- 重量：60g。

技术指标

温度：

量 程	分辨率	准确度
0~50℃	1℃	±2.0℃

可燃气体：

检测范围	响应灵敏度	响应时间	预热时间
300~10000ppm	50ppm	2秒	30秒

注：以上数值参考介质为甲烷。

操作说明

环境温度测试

- 按键开机。
- 开机后屏幕即显示当前环境温度值。
(手长时间接触仪表后，对温度精度有一定影响，建议让仪表在待测环境中静止一段时间后再次测试温度以达到更好的精准度。)

可燃气体探测

- 在清洁无污染的环境下按键开机
- 开机后传感器开始预热，屏幕模拟条滚动提示，约30秒后，蜂鸣“嘀嘀”两声提示预热完成，模拟条停止滚动。
- 预热完成后，将检测仪拿到待检测环境进行测试。
- 检测仪检测到可燃气体时，模拟条随着气体浓度增加而增加；蜂鸣器响声随着浓度增加而加快；马达振动随着浓度的增加而加强。
- 模拟条与可燃气体浓度对应关系如下：
·：0~300ppm
×：300~1500ppm
⊗：1500~5000ppm
⊕：>5000ppm

3

保养与维护

1. 一般保养与维护

- ★ 定期清洁仪表外壳，请勿化学溶剂清洁仪表外壳。
- ★ 保持仪表传感器头部分干燥清洁。
- ★ 如发现仪表异常，请停止使用并送回校准维修。

2. 更换电池

- 如果仪表出现符号，应充电后再使用，否则会影响测量精度。
- ★ 关闭仪表电源，用螺丝刀打开充电口。
 - ★ 插入USB线充电，充电过程中，红色指示灯亮起，充满为绿色。
 - ★ 充电完成后，重新装回充电后盖。

4

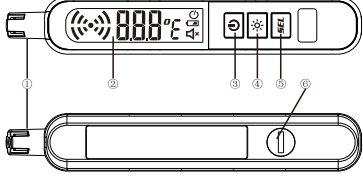
TEMPERATURE & COMBUSTIBLE GAS DETECTOR



Security Information

- Check the instrument and accessories before use for any damage or irregularities. Do not use the instrument if the housing is visibly damaged or if the LCD display is not showing, or if you believe that the instrument is not working properly.
- Follow the operating instructions when measuring.
- Do not open the instrument or change the internal wiring as this may damage the instrument.
- When the LCD display shows the  symbol, should be charged before use.
- Do not store or use the instrument in high temperature, high humidity and strong electromagnetic environment.
- This tester is not a safety testing device! For your own safety, do not use it as a monitoring device.
- Ensure that the gas concentration does not exceed 20% LFL (lower flammability limit).
- Pre-warming the detector in a gas contaminated environment will increase the alarm threshold of the detector.
- Use a soft cloth and a neutral cleaner to clean the instrument housing.

Product Description



1. Part Name

- | | |
|---|---------------------------|
| ① Combustible gas sensor | ② LCD display |
| ③ Power button | ④ Backlight switch button |
| ⑤ Temperature unit switching /Buzzer alarm on/off | ⑥ USB charge port |

1

2、Button Description

-  Power button:
Long press: Power off.
Short press after power on: Auto shutdown disable.
-  Backlight switch button:
Short press: Backlight ON/OFF.
Long press: Invalid.
-  Function Button:
Short press: Temperature unit °C/°F switch.
Long press: Buzzer alarm on/off.

3、LCD full display symbol



Symbol	Description
	Auto shutdown symbol
	Low battery
	Combustible gas concentration simulation strip
	Temperature units
	Alarm function symbol

Specification

Overview

- Display: LCD display.
- Battery undervoltage indication: LCD display with  symbol.
- Sensor: NTC sensor, gas sensor.
- Sampling rate: 1 second.
- Alarm mode: Analogue bar, backlight, motor vibration and beep.
- Automatic shut-off time: About 5 minutes.
- Operating temperature and humidity: 0~40℃，0~90%RH.
- Storage temperature and humidity: -20~60℃，0~75%RH.
- Power supply: Built-in 3.7V 400mA lithium battery.
- Working altitude: 2000m max.
- Dimensions: 170.6*27.6*20.
- Weight: 60g.

2

Technical index

Humidity

Range	Resolution	Accuracy
0~50℃ (32~122°F)	1℃ (1°F)	±2.0℃ (±2.0°F)

Combustible Gas

Range	Sensitivity	Response time	Warm-up time
300~10000ppm	50ppm	2 seconds	30 seconds

Note: The reference medium for the above values is methane.

Operating Instructions

Ambient temperature testing

- Press to power on.
- The ambient temperature values is displayed on the screen after switching on.
(Hand contact with the meter for a long time will have an impact on the accuracy of the temperature, it is recommended to let the meter stand for a while in the environment to be measured before testing the temperature to achieve better accuracy.)

Combustible gas detection

- Press in a clean and contamination-free environment to power on.
- After switching on the sensor starts to warm up, the analogue bar on the screen scrolls and after about 30 seconds, the beeper "beep" two times to indicate the completion of preheating, the analogue bar to stop scrolling.
- After the preheating is complete, the detector will be taken to the environment to be tested for testing.
- When the detector detects combustible gas, the analogue bar increases with the increase of gas concentration; The sound of the buzzer increases with increasing concentration; Motor vibration increases with increasing concentration.

3

- The corresponding relationship between the analog bar and the concentration of combustible gases is as follows.

- ：0-300ppm
- ×：300-1500ppm
- ⊗：1500-5000ppm
- ⊕：>5000ppm

Care and maintenance

1. General care and maintenance

- ★ Clean the meter housing regularly, do not use chemical solvents to clean the meter housing.
- ★ Keep the sensor head section of the meter dry and clean.
- ★ If the meter is found to be abnormal, stop using it and send it back for calibration and repair.

2. Battery replacement

- If the meter shows the symbol, it should be charged before use, otherwise it will affect the measurement accuracy.
- ★ Turn off the power to the meter and open the charging port with a screwdriver.
 - ★ Plug in the USB cable for charging. During the charging process, the red indicator light will light up and when fully charged, it will turn green.
 - ★ After charging, reinstall the charging cover.

4