USERS MANUAL

Made in China

CE RoHS M101040081

Before using the instrument,please read this manual carefully,and save it well for future using.

USERS MANUAL

CARBON MONOXIDE TESTER



120*90mm

Out of box audit

Please check and confirm whether the instrument is damaged in transit after receiving it. If obvious damage or abnormal operation function is found, please contact the seller.

Packing list:

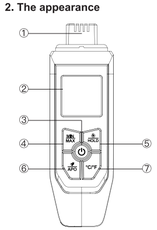
1.Carbon monoxide tester	1 set
2.Operation instruction	1
3.Cloth bag	1
4.1.5V/AAA battery	3pieces
5.Screwdriver	1

1. Introduction

The instrument is designed with electrochemical carbon monoxide module sensor, which has the function of simple operation, sensitive response, accurate measurement, real-time measurement of carbon monoxide concentration in the environment, alarm function of excessive concentration and environmental temperature measurement.

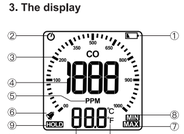
It's widely used in metallurgy, chemical industry, mine, refining, environmental protection, family, biochemical medicine, transportation and other industries.

2. The appearance



1. Probe
2. LCD display
3. Power
4. Maximum and Minimum hold keys
5. Backlight, data hold key
6. Ring switch, cancel automatic shutdown key
7. °C/°F selection key

3. The display



1.Battery undervoltage indication
2.Automatic shutdown symbol
3.Analog display
4.Numeric display
5.Unit of measurement
6.Ring symbol
7.Maximum hold
8.Minimum hold
9.Hold
10.Temperature
11.Temperature unit

4. How to use:

1.Long press the (⏻) key to turn on or off the power supply of the instrument.
2.Short press the (MIN/MAX) key to hold the maximum or minimum measured value, and long press to unlock it.
3.Short press the (HOLD) key to lock or unlock the measurement data, and long press to turn on or off the backlight.
4.Short press the (APO) key to turn the ring on or off, and long press to cancel or turn on the automatic shutdown function.
5.Short press the (**°C/°F**) key to convert between °C and °F.
6. Turn on the instrument to detect the carbon monoxide content in the air. When the value reaches 100ppm, the sound alarms and the screen turns red, indicating that the carbon monoxide concentration exceeds the standard.

5. The harm of carbon monoxide concentration (for reference only)

Concentration content	Harmfulness
0~1ppm	General environment
9ppm	Standard living area specified in ASHRAE62-1989
50ppm	The average level of staying in OSHA closed space for eight hours
100ppm	OSHA exposure limit
200ppm	Feel slight headache, fatigue, nausea and dizziness.
＞500ppm	Dizziness, nausea and hyperspasmia, death within 2-3 hours.

6. Technical parameters

Product name	Carbon monoxide tester
Test gas	CO
Resolution ratio	1PPM (0.1°C/0.2°F)
Gas measuring range	0~1000PPM/(±50ppm)
Temperature measuring range	0~50°C/ 32~122°F ±(1.5°C/3°F)
Sampling mode	Diffusion type
Sensor life	6 years
Operational current	About 5mA
Automatic shut-down	15 minutes
Backlight	Automatic shutdown in 5 minutes
Display mode	LCD
Type of alarm	Sound, screen display
Working temperature	0-50°C
Working humidity	0-70%RH
Storage environment	-10~50°C (5%~75%RH)
Size	154x50x31mm
Weight	About 107g (excluding battery)

7.Safe operation criteria

1.Please check whether the instrument is damaged before use. If the instrument shell is deformed, the display is poor or the measurement is abnormal, please stop using it.
2.Please keep sufficient power when the instrument is working continuously, and do not block the probe ventilation network to avoid affecting the measurement results.
3.Please do not strongly impact, vibrate, disassemble or transform this instrument, so as not to damage it and affect the measurement data.
4.Please follow the instruction manual when measuring the instrument.

8. Maintenance

1. Do not drop or hit the instrument.
2. It is forbidden to disassemble the instrument to avoid failure.
3. It is forbidden to store or use instruments in high temperature, high humidity, inflammable, explosive and strong electromagnetic environment.
4. Please clean the instrument with a soft cloth stained with a small amount of water or neutral detergent to wipe the shell. Abrasives and solvents are prohibited to prevent corrosion and damage to the instrument.

9. Battery replacement

To avoid personal injury caused by incorrect reading, replace the battery immediately when the " ▭ " symbol appears on the instrument screen.

1. Use a screwdriver to remove the battery cover screw.
2. Remove the battery cover.
3. Remove the old battery.
4. Replace with the new 1.5V/AAA×3 battery.
5. Install the battery cover and tighten the fixing screws.

