USER MANUAL

Made in China

RoHS M101040039

Please read this manual carefully before using this product and keep it properly for future use

USER MANUAL

CARBON MONOXIDE TESTER



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120*90mm

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OUT OF BOX AUDIT

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

1. OVERVIEW

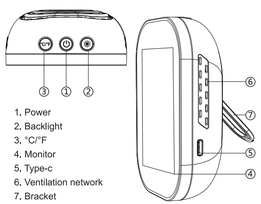
The instrument adopts electrochemical carbon monoxide sensor, diffusion gas detection, with fast response speed, high precision, easy to use, real-time monitoring of carbon monoxide concentration and temperature and humidity in the environment, and has an alarm function of high CO concentration, which is widely used in metallurgy, chemical industry, mines, Refining, environmental protection, family, biochemical medicine, transportation and other industries.

2. INSTRUMENT FEATURES

> Adopt electrochemical carbon monoxide sensor with excellent performance and quick response.
> large capacity 18650 lithium battery 1500mA/H.
> Simple operation, sensitive response and accurate detection.
> High-definition VA reverse display color screen, digital and analog dual display.

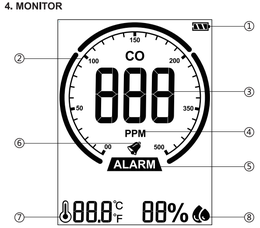
> controllable backlight, making long-term monitoring more energy-saving.
> Sound and screen double alarm.
> The back bracket and hanging buckle, easy to place or hanging on the wall for continuous monitoring.

3. PRODUCT APPEARANCE



1. Power
2. Backlight
3. °C/°F
4. Monitor
5. Type-c
6. Ventilation network
7. Bracket

4. MONITOR



1.Battery capacity indication
2.Analog display
3.Numeric display
4.Measurement unit
5.Alarm symbol
6.Ring symbol
7.Temperature
8.Humidity

5. SAFE OPERATION CRITERIA

1. Please check whether the instrument is damaged before use, such as deformation of the instrument shell, poor display and abnormal measurement. Please stop using the instrument once such damage is discovered.
2. Please keep sufficient power when the instrument is working continuously, and do not block the side and back ventilation nets in case of affecting the measurement results.
3.Please do not strongly shock, shake, disassemble or transform this instrument, so as not to damage the instrument and affect the measurement data.
4. Please follow the instruction manual when measuring.

6. HOW TO USE

1. Press (⏻) key to turn the power on or off.
2. Press (☀) key to decrease or increase the brightness of the screen.
3. Press (**℃/℉**) key to change °C / °F.
4. When the instrument is on, the sensor starts to work to detect the carbon monoxide content in the air. When the value reaches 100ppm, it starts to give the alarm prompt: sound alarm and an ALARM flashing prompt on the screen.

7. TECHNICAL PARAMETERS

Product name	Carbon monoxide tester
Probe gas	CO (Carbon monoxide)
Resolution ratio	1PPM/1%RH/0.1°C/0.2°F
Gas measuring range	0-500PPM/(±50ppm)
Temperature measuring range	0~50°C/32~122°F ±(1.5°C/3°F)
Humidity measuring range	0-100% ±(5%RH)
Sampling mode	Diffusion type
Preheating time	30 seconds
Sensor life	7 years
Power Supply	Built-in 3.7V/18650 lithium battery
Charging interface	USB Type-C
USB charging	5V/1A
Charging time	About 4h
Automatic shut-down	No
VA reverse display screen	Yes
Type of alarm	Sound, screen display
Working temperature	0-50°C
Working humidity	0-70%RH
Storage environment	-10~50°C(5%—95%RH)
measure	110*76*35
Weight with battery approx.	186g

8. CHARGING

1. The charging voltage is DC5V/1A.
2. When the instrument is charged, because the heat dissipation of the charging circuit will affect the ambient temperature measurement, the ambient temperature measurement can only be detected normally when the instrument returns to normal temperature after charging.
3. When the screen of the instrument flashes (🔋), it means that the battery is low. Please charge the instrument as soon as possible. The charging time is about 4 hours, and the actual time will be affected by various factors.

9. HARM OF CARBON MONOXIDE CONCENTRATION (FOR REFERENCE ONLY)

Concentration content	Physiological reaction of human body
0~1PPM	General environment
9PPM	Standard living area specified in ASHRAE62-1989
50PPM	Average level of OSHA confined space staying for eight hours
100PPM	OSHA exposure limit
200PPM	Slight headache,fatigue,nausea and dizziness
> 500PPM	Dizziness,nausea and convulsions,death within 2-3hours

(Please don't use this form for personal safety inspection, and it's only for knowing and understanding the toxicity of carbon monoxide)

10. MAINTENANCE

> Do not fall or impact the instrument.
> It is forbidden to disassemble the instrument to avoid failure.
> It is forbidden to store or use the instrument under high temperature, high humidity,and flammable,explosive and strong electromagnetic environment.
> During the work of built-in 18650 lithium battery, please avoid high temperature or direct sunlight.
> For instrument cleaning, please use a soft cloth stained with a small amount of water or neutral detergent to wipe the instrument shell, and prohibit the use of abrasives and solvents to prevent corrosion and damage to the instrument.

PACKING LIST

Carbon monoxide tester	×1
Product Manual	×1
USB Type-C charging cable	×1