Alcohol Tester User Manual

HM1000



Introduction

Brief Introduction

Thank you for opting for HM1000. This manual equips you with a thorough understanding of how to use the precision tester, allowing you to fully grasp its comprehensive functions and straightforward operating procedures.

The alcohol tester boasts the following features:
(1) Swift, sensitive, and precise testing capabilities.
(2) Post-test result display, accompanied by green, orange, and red indicator light notifications for clear guidance.
(3) 3.A rechargeable battery for convenient and sustainable use.

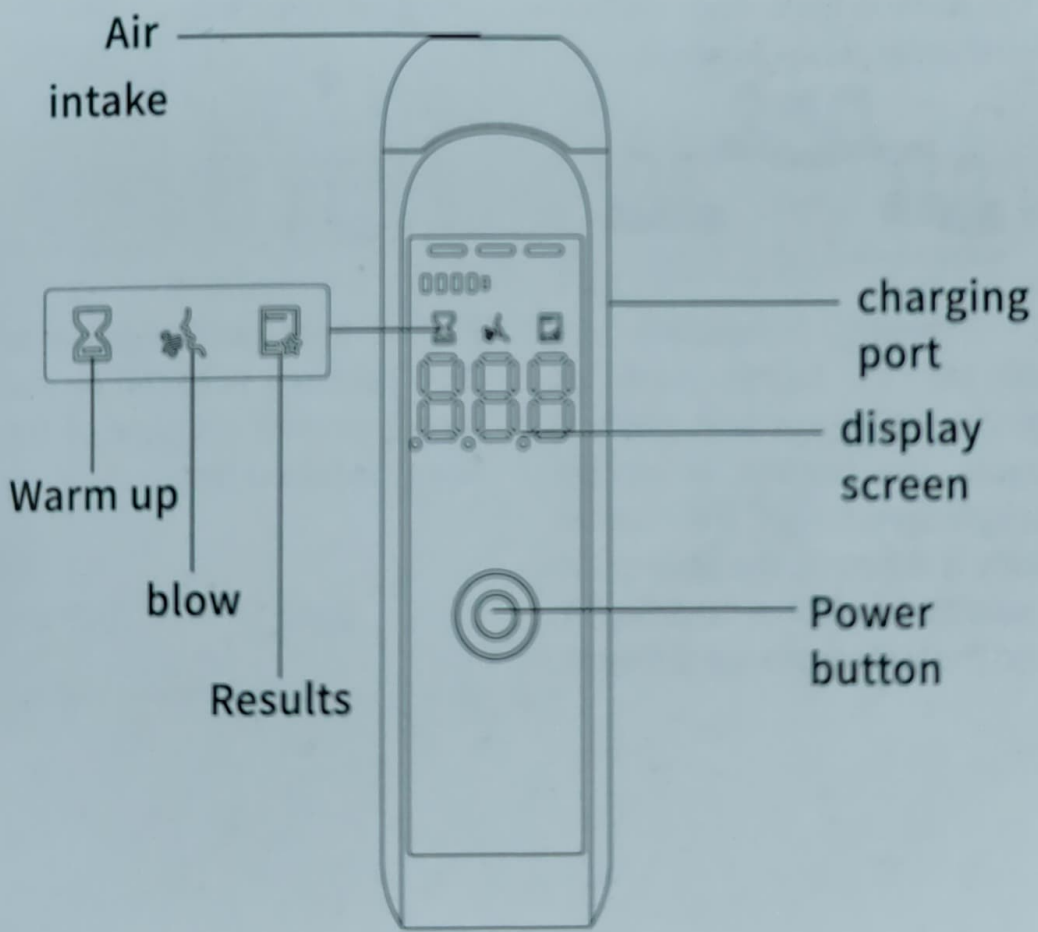
Component Description

Unpacking Inspection / Component Details

1.1.Alcohol Tester - Quantity: 1
2.Charging Cable - Quantity:
3.3.Instructions - Quantity: 1
4. 4.Instrument Packaging Box - Quantity: 1

Note: If the customer has any special requirements, please refer to the details stipulated in the order contract.

Component Description



Operation Instructions

Safety Operation Precautions

Please pay attention to the warning sign "^" and warning messages in this manual. "Warning" indicates a situation or action that may cause measurement deviations or damage to the instrument or its components. Do not disassemble the instrument or its components for maintenance purposes, as this could lead to damage to the instrument or other safety hazards. In the event of a malfunction, please contact the manufacturer or an authorized maintenance department for assistance.

Operating Instructions

(1) Power On and Off

To power on the machine, long press the "power button" when it is in the shutdown state.

To shut down the machine, long press the "power button" when it is powered on, and the screen will display "OFF."

(2) Test operation

After turning on the machine by pressing the power button, press the power button again to start the pre-ventilation phase, which lasts for 15 seconds. During the ventilation phase, blow slowly and steadily for at least 3 seconds. The detection results will be displayed afterward.

After the test, if the value exceeds 20mg/100ml, the machine will emit a "dip-dip" buzzer sound, and orange and red warning lights will be displayed on the upper left side.

Operation instruction



Warm up for 15 seconds after startup



Aim at the air inlet and blow



Testing



Display Results

Precautions

1. If there is no operation for an extended period while in the blowing mode, the machine will automatically register a reading of 0.
2. If the detection result is below 20mg/100ml, the top prompt light on the screen will display green. If it exceeds 20mg/100ml, an orange prompt light will be shown, and if it exceeds 80mg/100ml, a red prompt light will be illuminated.
3. For each test, in order to obtain more stable test data, please try to maintain the same blowing distance and blowing force as consistently as possible.

Main technical indicators and parameters

Detection range	0.00-40%
Recovery time	15S
Induction time	5S
Alarm function	After the detection results are displayed, there is a green, orange, and red indicator light warning prompt
Power supply battery	3.7V200mAh rechargeable lithium battery
Interface	Type- c
Size weight	103mm long × Width 28mm × Height 16mm, weight approximately 31.52g (including battery)

Alcohol Tester Operation Sharing

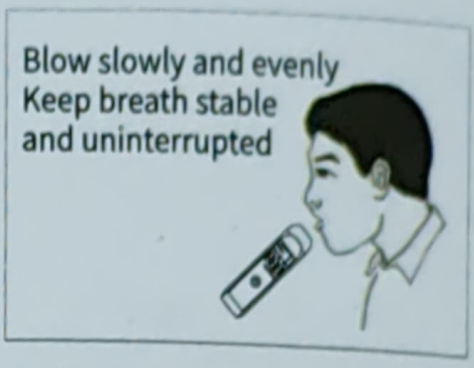
Dear users, thank you for purchasing the Mr. Black 1000 Alcohol Tester. To gain a better understanding of our product, please carefully read the operation sharing and instructions before use. Thank you for your support, and we wish you a pleasant experience!

Operation sharing

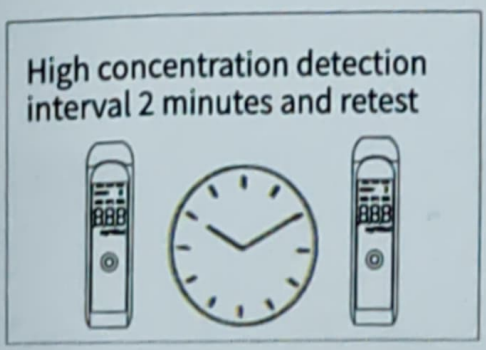
Instructions and precautions for use



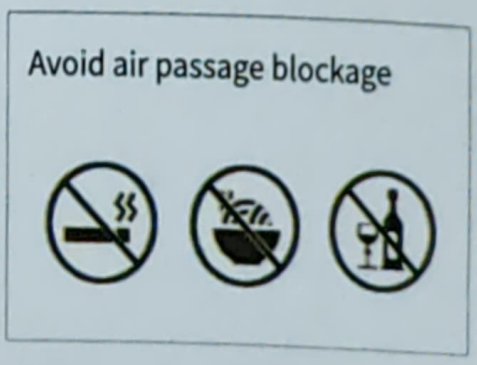
1. It takes time for alcohol to enter the body for digestion and absorption. Please take a test 10 minutes after drinking alcohol. The test results will show dynamic changes with the absorption of alcohol in the body.



2. Please blow slowly for 3-5 seconds at a constant speed, and keep the breath stable and uninterrupted. Test the breath as deep as in the lung which is closest to the alcohol content in the blood.

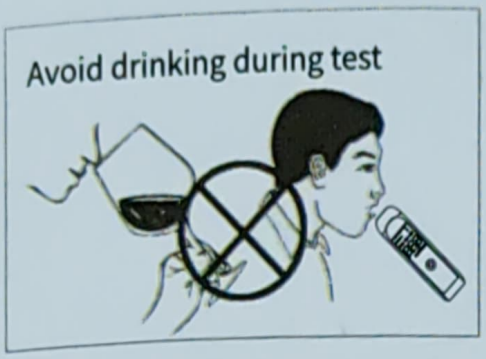


3. If the test result is greater than 0.1900% BAC, it is suggested to take the next test at an interval of 2 minutes to allow for full recovery of the sensor.

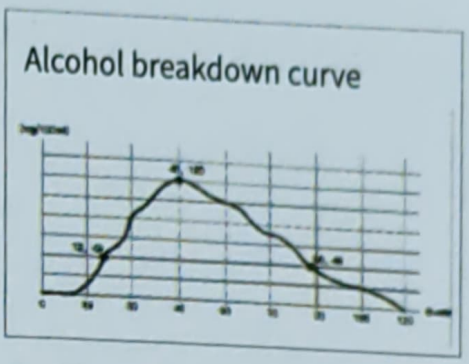


4. Do not blow oral saliva, residue or smoke into the air inlet of the machine, which will damage the machine and interfere with the test results.

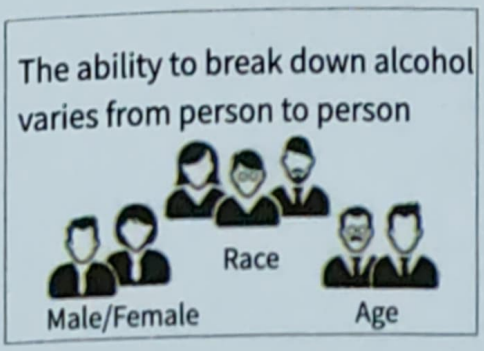
Operation sharing



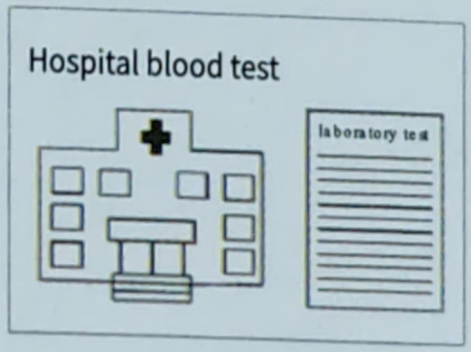
5. Take a test immediately after drinking alcohol. The excessive alcohol concentration in the mouth will cause damage to the Tester, and the test results are of no significance.



6. The change curve of the body's absorption of alcohol is formed with the tests every 10 minutes. Different bodies have different absorption curves.



7. Different individuals are affected by factors such as gender, race, age and physical status, the content of alcohol dehydrogenase in the human body is different, the absorption capacity of alcohol is different, and the test results are different.



8. The final confirmation of drunk driving is based on the blood alcohol content of the hospital blood test.

Precautions for using an alcohol tester

1. After 20 minutes of drinking, the alcohol gas in the oral cavity evaporates, and the alcohol is absorbed in the digestive tract. Further testing is more accurate. If there is alcohol, there is a value, but if there is no alcohol, the value is 0. Egg yolk pie, Huoxiang Zhengqi water, and other foods and medicines contain trace amounts of alcohol, which has a short-term value and will not last for a long time.
2. Test immediately after drinking. The test result is too large, inaccurate, and has damage to the instrument. If the test value of normal people exceeds 300mg/100m1, there will be signs of Alcohol intoxication.
3. The speed of alcohol absorption varies from person to person, and is influenced by various factors such as race, gender, genetic genes, height, weight, and physical condition. The number and activity of alcohol degrading enzymes in the human body vary, and the ability to decompose alcohol varies, resulting in different results of post alcohol testing.
4. The detection value after drinking changes in a parabolic curve over time, and after reaching a peak, it gradually decreases over time. Due to the dynamic process of alcohol decomposition in the body, there may be small fluctuations in continuous test results, but the overall trend is decreasing.
5. Human reactions such as blushing, dizziness, and headaches are physiological reactions caused by the decomposition of alcohol into acetaldehyde in the body, and are not directly related to the alcohol content in the body. Because the instrument only reacts with Alcohol flush reaction, the test result may be "0" even if there are the above symptoms.
6. The test result is extremely high Alcohol by volume. It is recommended to conduct a second test at an interval of more than two minutes to fully zero the chemical reaction in the instrument, so that the test is more accurate.
7. Avoid blocking the airway with saliva, food residue, etc., and avoid damaging the sensor with irritating gases such as smoke.

8. For the safety of your and your family's lives, it is recommended to detect a result of 0mg/100mL and return to normal physical condition before starting work.
9. This device is only used as a reference for pre inspection and personal behavior constraints, and is not used as a monitoring and evidence collection basis for whether motor vehicle drivers have drunk and driven. The test results are for reference only. The detection basis for the traffic police to judge whether the driver drives after drinking shall be subject to the blood test in the hospital. The manufacturer and the seller will not bear any legal responsibility for the accidents caused by Driving under the influence or other behaviors of the users of this product.

Kind reminder

1. For the safety of you and others, please do not drive after drinking.
2. Do not place the machine in high temperatures or expose it to sunlight inside the vehicle, as it may cause damage to the sensor
3. The company's products have a one-year warranty, and any quality issues are repaired free of charge within one year, except for human damage.
4. For safety reasons, this product uses a safer protective plate lithium battery, so please charge it promptly when the battery is low and there is an alarm. If the battery is discharged excessively, it will activate the device protection mechanism, causing the device to be unable to charge.
5. Please use this product at least 1-5 times a month, otherwise it may cause damage to the sensor and battery.

(Note: The test results are for reference only, and the final results are subject to the hospital blood test data. The manufacturer and the seller will not bear any legal responsibility for the accidents caused by Driving under the influence or other behaviors of the users of this product. Do not Driving under the influence and high-risk operations!)