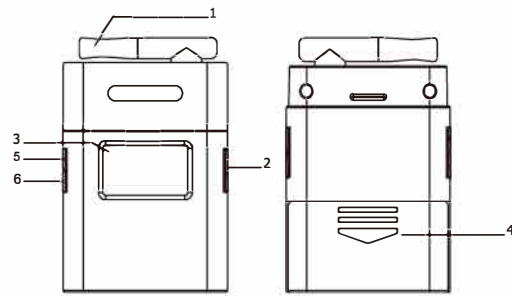# Digital Breath Alcohol Tester

1. Breath inhaler
2. Power button
3. LCD display
4. Battery compartment
5. Set button
6. △ button

Reference

BAC: Blood Alcohol Concentration
BrAC: Breath Alcohol Concentration
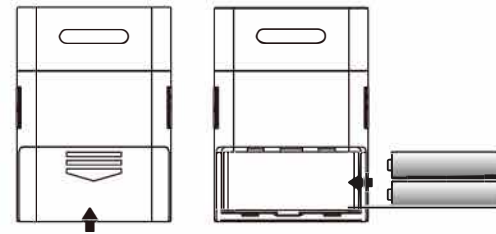0.030% BAC ------ refers to there is 0.03g alcohol in each 100ml of blood
0.300‰ BAC ------ refers to there is 0.30g alcohol in each 1000ml of blood

Features

1. ‰-bit digital alcohol tester with audible alert
2. Three kinds of unit conversion (%BAC / ‰BAC / mg/L)
3. Quick response and resume
4. Real time
5. Red backlight digital LCD screen
6. Use mouthpiece
7. Use 2×"AAA" alkaline batteries

Installating battery

1. Slide open the battery compartment lid from the back of the unit.

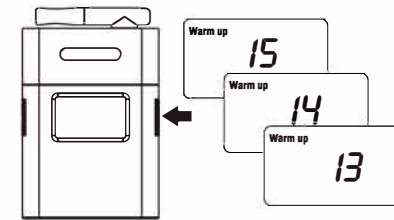2. Insert two "AAA" (UM-4) alkaline batteries with correct polarity as indicated.
3. Replace the battery compartment lid.

How to use the alcohol tester

Warm up

1. Press and hold the power button for 1 second, the alcohol tester LCD will turn on with one beep sound.

2. The "warm up" symbol is displayed, and the 15 to 00 countdown is started that indicate the tester is in warm-up mode.
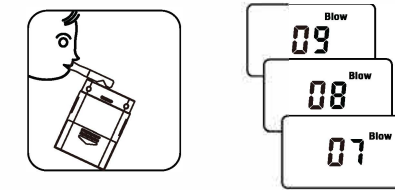
Note

It always has a large number of gas & impurity adsorbed on the surface of alcohol tester, when first time taking out the tester from the packaging, or after long time no using for the tester, it need more time for cleaning and warm up the sensor, you should repress the power button and retry several times if possible.

Test

1. The "Blow" symbol is displayed when warm-up is succeed, and the 10 to 00 countdown is started that indicate the tester is in testing mode.

2. Blow into the breath inhaler for 3-5 seconds with normal power after a deep inhalation..
3. Read the test result from the alcohol tester LCD.
4. The "Caution" symbol is displayed if the alcohol concentration is the level:
☑ 0.020 %BAC to 0.050 %BAC
☑ 0.200 ‰BAC to 0.500 ‰BAC
☑ 0.100 mg/L to 0.250 mg/L

5. The "Danger" symbol is displayed with beep audible alert if the alcohol concentration is the level:
☑ Over & equal 0.050 %BAC or 0.500 ‰BAC or 0.250 mg/L.

6. Unit conversion: under the test result mode, hold down the "Power" button to change the units (%BAC / ‰BAC / mg/L), the final displayed units will be the units for the next test.
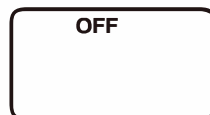
7. If no blow into the breath inhaler at the test mode, the LCD will display "0.000 %BAC "or "0.000 ‰BAC" or "0.000 mg/L" value.

Note

To obtain more accurate result, manufacturer recommend you to check repeatedly 2 or 3 times.

Auto power off

Test results will display about 20 seconds on the LCD, and then the tester will automatically switch off.

How to use the clock

1. Press and hold <SET> button for 2 seconds to enter real time hour setting, the hour digit is flashed on the clock LCD, press <△> button to adjust.
2. Press <SET> button again to enter minute setting, the minute digit is flashed, press <△ > button to adjust.
3. Press <SET> button to confirm.

Replace battery

LCD screen flashes for low power, please replace the alkaline batteries.

Specifications

Sensor: high-precision semiconductor alcohol sensor
Detection range: 0.000~0.199% BAC;
　　　　　　　　0.000~1.990‰ BAC;
　　　　　　　　0.000~0.995mg/L (BrAC)
Alarm point: 0.050% BAC; 0.500‰ BAC;
　　　　　　0.250mg/L (BrAC)
Accuracy: ±0.010% BAC;
　　　　　±0.100‰ BAC; ±0.050mg/L
Response Time: <5s　　warm-up time: <15s
Operating voltage: 2pcs AAA alkaline battery
Operating environment: 5 ℃~40 ℃
Screen: Red backlight 3-digit LCD screen
Dimension: 78×56×14mm

Precaution

-- When after drinking, it is recommended to last after 20 minutes, it is because 20 minutes is approximately for alcohol to be absorbed into blood from the digestive organs, and residual alcohol remaining in the mouth takes this long to dissipate.
-- For accurate result, do not repeat next testing within 3 minutes after last time.
-- Do not smoke and eat for 20 minutes prior testing.
-- Do not use chemicals to clean the tester directly.
-- Do not blowing liquid into the breath pipe.
-- Do not use any excitant substances near the tester, such as paint, insecticides, alcohol.
-- Do not place the tester in the closed environment with contaminated air.
-- Modifying or tampering with the unit's internal components may cause a malfunction.
-- The unit is designed to be used as an aid to promote reasonable driving. It should not be used in anticipation of the use or operation of vehicles, machinery, or equipment. The unit makes no references whatsoever to blood alchol content or other such measures of intoxicaton promulgated by government, medical or other agencies or bodies.

Notes

1. Regardless of whether the product is used, manufacturers and vendors will not bear any responsibility for the violations. For example: drunk driving and high-altitude operations.
2. Each person reacts differently to alcohol, so the test results are for reference only, which cannot serve as the criteria in determining the outcome.