

Warranty

The manufacturer warrants this Breathalyser to be free from defects in workmanship or material (excluding calibration) under normal use for one year from the date of purchase. Manufacturer's obligations under this limited warranty are limited to replacing, adjusting, or repairing the unit if returned along with the proof of purchase. This warranty is void if the unit has been tampered with, maliciously damaged, or physically abused. The enforceability of this warranty is limited to the original consumer purchaser and is not transferable to, or enforceable by, any subsequent owner. In the event of a defect, malfunction or other failure to conform to this warranty, UKBreathalysers, will, at its sole discretion, repair or replace the unit. You are responsible for all shipping cost in connection with warranty service. This warranty commences on the date of purchase and shall be effective for a period of one year and does not affect your statutory rights.

Should you need to return your unit or obtain service during the warranty period, please email : **technical@UKBreathalysers.com** to obtain a RMA number and shipping instructions. Remember to return your detector postage paid, insured and in suitable packaging. DO NOT return your unit without contacting us first!

Disclaimer

UKBreathalysers makes no warranties, expressed or implied, as to the ability of this device to determine whether a person is intoxicated, and expressly disclaim any liability for incidental, special, or consequential damages of any nature.

The user undertakes not to make any decisions and/or carry out any actions based upon the reading of this device. UKBreathalysers assume no responsibility for consequences of subjects who test negative when using this device and later show that they are under the influence of alcohol or their judgment has been impaired by alcohol.

This device should only be used as a screening device and may only give an indication of the possible presence of alcohol in the blood of the test subject. Correlation between breath alcohol content and blood alcohol concentration depends on many variables, including temperature and health conditions. A safe or low reading on a breath alcohol screener does not mean that the driver's reaction times can respond to any emergency encountered. The exact concentration of alcohol in the blood of the test subject cannot be exactly determined by using a breath alcohol screening device. **THIS BREATHALYSER IS A SCREENING DEVICE ONLY, NOT ADMISSIBLE IN THE COURT OF LAW.**

DO NOT DRINK ALCOHOL AND DRIVE!

**ALWAYS USE A DESIGNATED DRIVER AFTER DRINKING ALCOHOL.
BE SAFE AND DRINK RESPONSIBLY.**

Customer Care

If you have questions about UKBreathalysers products or services, please contact us via phone, e-mail or mail. Our customer service agents will gladly assist you in any way they can. Please contact us via email at the following address: mail@UKBreathalysers.com

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AlcoHit Pro

User Manual



Overview

The **AlcoHit Pro** is a breath alcohol screening device designed to test for the presence of alcohol in the blood. The **AlcoHit Pro** is powered by 4 x AAA Batteries that generally last between 200-300 tests. As with all Breathalysers, it is vital that a minimum of 20 minutes is left between drinking or smoking and testing and to have the device checked for calibration every 6 to 9 months (you can arrange this via the website). This device is not an evidential tester and can only be used as a guide; only a blood test can determine the exact concentration of alcohol in the body.

Preparing For Use

Install the included AAA Batteries. Apply a small amount of pressure on the indentation of the battery compartment cover and then push down and away from the unit simultaneously in order to release the cover. Install the batteries and replace the battery compartment cover. (See the following diagram). **Insert the negative end of the battery against the springs;** observe the correct polarity on the inside of the case as incorrect insertion may damage the unit.



Waiting Period

If you do not wait 20 minutes before testing, the reading will measure the alcohol in your mouth, which is many times that related to your blood alcohol level. The detector contains a highly sensitive chemical Fuel Cell sensor, and not waiting the required time could damage (saturate) this sensor and can cause all future readings to be inaccurate. Please also ensure you do not blow any smoke or liquid into the unit, or the same damage can result and de-calibrate the detector.

Always leave at least 20 minutes between drinking and testing

How to Test

Insert the mouthpiece into the specially designed holder. The mouthpiece can be inserted on either side of the device but the air outlet located on it should always point upward. Switch the tester on by pressing the green button. You will see 'BLOW' displayed on the monitor. While it is possible to do an immediate test, it is advisable to check the sensor before each test to make sure that there is no alcohol present from the previous sample on the sensor. In order to check the operation of the sensor:

1. Press the red button.
2. "Hand" appears on the screen briefly followed by "Wait".
3. *If the result is 000.0* press the Green button briefly; BLOW is displayed and you can carry out a test
4. If the result is NOT 000.0, press the Green button briefly (ignore the Blow instruction as the sensor is not ready) and repeat from stage (1) above.

Take a deep breath and exhale firmly and evenly into the mouthpiece for about 5 sec till you stop hearing the sound. The breathalyser will automatically take a sample to be analysed once you stop blowing. **If a sample is taken correctly, the word 'PASS' will be displayed followed by 'WAIT'.** This does NOT mean the value of the test is a "PASS" - it means the *sample* has passed the checks for *volume* and *pressure*. After 20 seconds the monitor will display the reading, which is signaled by eight short beeps. We would always recommend a minimum of 3 consecutive tests.

After completion of the test the device will automatically switch off after 2 minutes. Pressing the green button for about 4 seconds will turn it off immediately.

- **Sample Check:** The sound of two short beeps and the word 'BLOW' displayed on the monitor during the exhalation indicates that the sample has not been taken successfully. This may occur when the individual being tested does not provide a sufficient amount of air, the exhalation is too short or when the exhalation is not continuous. In such a case the test should be repeated; wait a few seconds, then try again.
- **Battery Polarity:** If the device does not start when the green button is held - the display is highlighted but upon its release the display switches off again - you should check the polarity of the batteries.
- **Result Recall:** to retrieve the last result, turn off the device (press and hold the Green button for at least 4 secs). Press and hold the Red button and (while still holding down the Red Button) turn the device back on by holding down the Green button.

How to Analyze the Results

- **The UK Drink-Drive limit is 35µg/100ml , shown on the unit as 0 3 5 . 0**
- Do not Drink and Drive. The AlcoHit Pro is sold for advisory purposes only and cannot be solely relied upon to determine the users' level of intoxication.
- If you consume very little alcohol (ie insufficient to read more than 10µg) the device may not be activated and the display will read 000.0. The unit is designed to operate most efficiently between 15µg and 50µg; readings will be less accurate at very high, or very low levels.

Precautions

1. **Always wait at least 20 minutes after your last drink before testing.** This is because it can take up to 20 minutes for any residual alcohol in the mouth to dissipate and for alcohol to be fully absorbed in the blood.
2. Avoid testing in strong winds, in a closed room with a heavy smoke, or where a lot of alcohol is being consumed.
3. Do not blow cigarette smoke, food or liquid into the instrument

AlcoHit Pro

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Precautions—cont.

4. The **AlcoHit Pro** is designed for use in a temperature range of 10 – 40 (C) or 50-104 (F). Operation of the unit in extreme temperature ranges above or below this range may affect the accuracy of results.
5. Avoid testing in the presence of any substances that contain methyl alcohol, isopropyl alcohol or acetone. These substances may interfere with the results of the test.
6. Conditions that increase the amount of ketenes on the breath, such as diabetes and low caloric intake, may cause a false positive test.
7. **DO NOT DRINK AND DRIVE. Always have a designated driver if you are drinking Alcohol.**

How does it work?

When you drink alcohol it passes through the lining of the stomach into the blood supply. As the blood moves around your body it is filtered by the liver (which extracts the alcohol over a period of time) but also passes through the lungs. At the same time as the oxygen in your breath passes through the alveoli into your blood, a certain amount of the alcohol that is carried by the blood passes back the other way. It is therefore important to measure deep lung air as this is where the blood has been in contact with the air in the lungs. A breath from any other part of the lungs will have a lower alcohol concentration and can give a lower reading than should be the case.

Depending upon circumstances, the concentration of Alcohol in the blood can often RISE instead of fall after you finish drinking. A low result shortly after your last drink would in no way guarantee that and hour and a half to two hours later the result would not easily be higher. ANY alcohol in the body will impair judgement and reflexes—the only safe "limit" is Zero, so always leave an adequate time after your last drink to ENSURE you are back to zero before driving or partaking in any activity where poor judgement or reflexes could be dangerous.

How to get the most from your Breathalyser

When first using the device, 20 minutes after your last drink try testing yourself three times, approximately two minutes apart, in order to "bracket" the readings. An average reading can then be assessed, as can the consistency of the blow level required. Note the reading, and then test again 30 minutes later and so on until the unit reads zero.

Try the unit on others; you are likely to find considerable variance in the way in which individuals metabolise alcohol, depending upon body mass, when they last ate, time of day etc. After a while you will start to develop a reasonable idea of the way in which you personally react to Alcohol and you can then modify your drinking appropriately to ensure that you always leave a more than adequate period after drinking and before driving.

UKBreathalysers would always recommend you do not drive with ANY alcohol in your system, and that you leave a substantial safety margin between the time you believe you have reached a zero-level and the point where you may consider driving. **Never rely solely upon the readings of this detector in determining your fitness to drive!**

Cleaning

Although it may seem logical to clean the alcohol detector with alcohol or other cleaning agents, in reality, this is very harmful to the semiconductor sensor in detector. All semiconductor sensors are intolerant to high doses (saturation) of alcohol, and other cleaning or anti bacterial agents. Simply wipe the unit over with a damp (not wet) cloth and dry thoroughly.