

alcoSense® ONE

IMPORTANT
Please make sure you read and understand the instruction manual before you use AlcoSense. The manufacturer distributors and sellers of this product exclude all liability for improper use or loss or damage caused by actions taken by you after use of this product.



1 AlcoSense Instruction Manual Thank you for purchasing your new AlcoSense Breathalyser.

As you know, you never can tell how long it takes for alcohol to clear from your body after having a drink. It depends on many variables including body mass, time of day, food intake and even if you have a cold.

Road safety is our primary concern, specifically making it easy for you to know when you are below the legal driving limit again the morning after a few drinks. The AlcoSense breathalyser is designed to quickly and accurately indicate your level of intoxication, alerting you as to whether you are over or under the UK drink drive limit. With its unique technology it can be used again and again without losing accuracy.

Like me, many responsible drivers use the AlcoSense breathalyser to help make sure they're OK to drive the morning after. Thank you again for purchasing this product and I'm sure you will be delighted with it.

Yours sincerely,

Sir Stirling Moss

Sir Stirling Moss OBE

Hunter Abbott

Hunter Abbott
Managing Director

Important - Please read

It is safest to drive when you have no alcohol left in your blood stream. As a result we only recommend driving when the AlcoSense breathalyser reads 0.00%BAC. Before using the AlcoSense breathalyser you agree you have read the operating instructions & are aware of the legal alcohol limit in your jurisdiction. The manufacturer distributors and sellers of this product exclude all liability for improper use or loss or damage caused by actions taken by you after use of this product. This unit is set to alert the user at 0.08%BAC.

AlcoSense One User Manual Version 1.0

2 How Breathalysers Work

Breathalysers work by measuring the concentration of alcohol vapour in your breath. Contrary to popular belief the alcohol is not coming from residue in your mouth but is actually evaporating from the blood that passes through your lungs when you breathe. The amount of alcohol evaporating from your lungs is directly proportional to the amount of alcohol in your blood stream making it possible to accurately calculate the percentage Blood Alcohol Concentration (% BAC) and therefore your level of intoxication.

How Alcohol Is Processed by the Body

When you drink, alcohol is absorbed into the blood stream through your mouth and throat but mostly through the stomach and small intestine. The more you drink the more alcohol is absorbed by the body and the higher your BAC reading will become. Approximately 90 minutes after the alcohol is consumed it is distributed equally around the body through the blood stream. This is known as the point of Equilibrium.

As blood flows round the body around 90% of the alcohol it contains is broken down in to water and carbon dioxide by the liver in a process called Oxidation. The remaining 10% of the alcohol is passed from the body through the lungs and kidneys. A healthy liver typically breaks down alcohol at a rate of one unit of alcohol per hour but the more alcohol that is consumed the longer it can take for the liver to process each unit.

When you stop drinking your level of intoxication may stay constant or if you have been drinking heavily it could even increase for around 2 hours afterwards. This is because of the time it takes for alcohol to reach the bloodstream from the time you actually had the drink. If you have eaten food this can also increase the time, as the release of alcohol into the bloodstream can be slowed by it being absorbed by food in the stomach. This is the reason why we do not recommend using the breathalyser just after finishing drinking because there are too many factors that can influence the reading. The ideal time is the morning after.

3 Things That Can Affect the Reading of Your Breathalyser

There are some factors that can affect the reading of breathalysers whether it be the AlcoSense breathalyser or a police system. As long as you are aware of these factors you will be able to use your AlcoSense to give high precision readings.

The Do's and Don'ts

Do:

- Use the AlcoSense the morning after a few drinks
- Read the instructions carefully
- Zero the AlcoSense regularly, see section 4
- Phone us if you have any difficulties
- Have a quick drink of water before using the AlcoSense to remove any contaminants in the mouth

Don't:

- Use the AlcoSense for at least 30 minutes after drinking alcohol (we recommend using it the morning after, please see section "How Alcohol is Processed by the Body" on page 2)
- Use the AlcoSense for at least 30 minutes after using mouthwash, breath spray, cough medicine or anything else that may contain alcohol
- Use the AlcoSense for at least 30 minutes after having a cigarette or eating certain over-ripe fruit.
- Perform a test in dirty air, eg a smoky room.
- Use the AlcoSense if you are breathing quickly (for example, after running up the stairs) or have been holding your breath. This can falsely lower or raise the reading respectively. Wait until you are breathing normally again.

Installing the Batteries

1. Turn the AlcoSense over so that the screen is facing away from you.
2. About halfway down the back you will see the battery compartment cover, slide this open.
3. Insert two AAA making sure you insert them in the right way (+ and -).
4. Close the battery compartment.

Please Note:

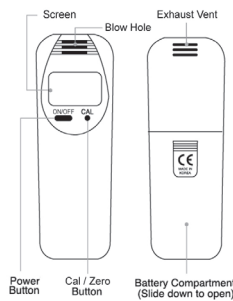
When the batteries get low the AlcoSense will flash 'L' on the screen followed by 10 beeps. If this happens you will need to change the batteries.

User Manual

www.alcosense.co.uk tel: 0800 195 0088

4 Initial Set-Up & Zeroing (CAL) The AlcoSense One

Before first use you will need to 'zero' the unit. This is like Tare on a set of scales. Press the right hand 'CAL' button for 1 to 2 seconds. When BLOW is displayed breath into the vent at the top with clean breath (please take note of section 3), it will beep then count down again before displaying BLOW when you will need to blow again. The unit will turn off - initial set-up is complete. We recommend you 'Zero' the system once every 2-3 weeks for the most reliable results.



Performing a Blow Test

1. Press the 'ON/OFF' button (left hand button) down for 2 seconds
2. It will count down from 5 to 0. Start blowing through the vent at the top from when it shows 0, until it beeps again. Use a deep breath similar to the strength of a sigh.

IMPORTANT: You must start blowing when it shows 0 and continue to blow until it beeps. If you do not you may get a falsely low reading.

3. Your result will be displayed on the screen

TIP: For the most accurate results please allow any residual alcohol vapour to evaporate from the sensor between tests. We recommend waiting 1 hour between tests to allow this. If you wish to test multiple people in sequence please call us on 0800 195 0088 and consider the AlcoSense Elite.

5 Understanding the Results

Although the legal drink drive limit in the UK is currently 0.08%BAC it is safest to drive when you have no alcohol left in your blood stream. As a result we only recommend driving when the AlcoSense One reads 0.00%BAC and you feel 100% OK.

Reading Range	Example of Screen	Explanation
0.00%BAC To 0.02%BAC		There is either no alcohol in the sample or such a small amount it is negligible. The reading is well below the legal drink drive limit.
0.00%BAC To 0.05%BAC		The sample has alcohol in it but is below the drink drive limit, however we do not recommend you to drive as your reactions and judgement may be impaired.
0.06%BAC To 0.07%BAC		You are dangerously close to or over the UK drink drive limit (0.08%BAC). Do not drive, your reactions and judgement will be impaired.
0.08%BAC To 0.12%BAC		Your are over the drink drive limit. Do not drive. Please Note: 0.12%BAC is the maximum reading the AlcoSense One will give.

6 Please Note:

The legal limit in the UK as at March 2009 is 0.08% BAC. Should you use the AlcoSense Breathalyser in different countries you must be aware of the drink drive limit in that jurisdiction.

Maintaining your AlcoSense Breathalyser

Keep it Clean

To keep your AlcoSense in tip top condition we recommend cleaning the outside regularly using a soft damp cloth or the AlcoSense Cleaning Kit which is available separately.

Zero (CAL) your AlcoSense Regularly

Zeroing your AlcoSense makes sure that it reads in the most accurate way. You should do this once every 2-3 weeks or after a period of no use. If the AlcoSense displays 'ADJ' on the screen when it counts down for a blow test this indicates it may need to be Zeroed soon.

Be Careful

Take care not to drop the AlcoSense breathalyser as sudden knocks can affect the unit's accuracy. If you have dropped your AlcoSense and feel that it is not reading correctly please call us to arrange to have the unit serviced.

Technical Support

If you have any queries which are not covered in this manual or need assistance using your unit please call our technical support number 0800 195 0088 Monday to Friday 9am to 5.30pm. When calling please make sure you have your breathalyser to hand.

Re-Calibration

Like any sensitive instrument, your AlcoSense breathalyser may require re-calibration after a period of use. We recommend your AlcoSense breathalyser should be re-calibrated once a year. Please see page 15.

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Although every effort has been made to ensure that the contents of this manual are accurate and reliable New Group UK Ltd accept no liability for errors or omissions and we reserve the right to change information without notice.

Note on Environmental Protection
After implementation of the European Directive 2002/96/EU in the national legal system, the following applies: Electrical and electronic devices may not be disposed of with domestic waste. Consumers are obliged by law to return electrical and electronic devices at the end of their service lives to the public collecting points set up for the purpose or point of sale. Details to be found in the national law of the respective country. This symbol of the product, packaging or instruction manual indicates that this product is subject to these regulations. By Recycling, re-using the materials or other forms of utilising old devices, you are making an important contribution to protecting our environment.



AlcoSense limited warranty

WARRANTOR
This Limited Warranty is granted by and this Limitation of Liability is stipulated for the benefit of AlcoSense, a trade mark of New Group UK Ltd, Unit 3 Maidenhead Enterprise Centre, Off Cordwallis Street, Maidenhead Berkshire SL6 7BE United Kingdom.

WHAT THIS WARRANTY COVERS
1) AlcoSense warrants to you that the Hardware will be free from defects in workmanship and materials under normal use ("Defects") for a period of one:

(1) year from the date that the Hardware was first purchased by you ("Warranty Period"). During the Warranty Period the Hardware will be repaired or replaced at AlcoSense's choice ("Limited Warranty") without charge to you for either parts or labour. This Limited Warranty covers the replacement of the Hardware only, if the Hardware is repaired after the Warranty Period has expired (at your cost), the Warranty Period of the repair will expire six (6) months after the date of repair.

WHAT THIS WARRANTY DOES NOT COVER
2) The Limited Warranty does not apply to normal wear and tear; does not apply when the Hardware is opened or repaired by someone not authorised by AlcoSense and does not cover repair or replacement of any Hardware or part thereof damaged by misuse, moisture, liquids, proximity or exposure to heat and accident, abuse, non-compliance with the instructions supplied with the Hardware, neglect or misapplication. The Limited Warranty does not cover physical damage to the surface of the Hardware or calibration of the Hardware.

HOW TO MAKE A WARRANTY CLAIM
3) In order to make a claim of a Defect, you must contact AlcoSense by email or telephone during the Warranty Period via www.alcosense.com to explain the Defect and to obtain an RMA number (Return Materials Authorisation) if necessary. You must return the Hardware during the Warranty Period, along with an explanation of the Defect, to the address provided to you by AlcoSense. If a defect arises and a valid claim under this Limited Warranty is received by AlcoSense after the first one hundred and eighty (180) days of the Warranty Period, AlcoSense is not liable to charge you for any reasonable shipping and handling costs made in connection with the repair or replacement of the Hardware. You must comply with any other return procedures stipulated by AlcoSense, if any.

YOUR LEGAL RIGHTS
4) Some countries may not allow the exclusion or limitation of damages. If any part of this Limited Warranty is held to be invalid or unenforceable, the remainder of the Limited Warranty shall nevertheless remain in full force and effect.

5) This Limited Warranty is the only express warranty made to you and is provided in lieu of any other express warranties or similar obligations (if any) created by any advertising, documentation, packaging, or other communications.
6) Except for the Limited Warranty and to the maximum extent permitted by applicable law, AlcoSense and its suppliers provide the Hardware "AS IS AND WITH ALL FAULTS"; and hereby disclaim all other warranties and conditions, whether express, implied or statutory, including, but not limited to, any (if any) implied warranties, duties or conditions of satisfactory quality, of fitness for a particular purpose, of reliability or availability, of accuracy or completeness of responses, of results, of workmanship effort, of lack of viruses, and of reasonable care and skill, all with regard to the Hardware, and the provision of or failure to provide support or other services, information, software, and related content through the Hardware or otherwise arising out of the use of the Hardware. Also, there is no warranty or condition of quiet enjoyment, quiet possession, or non-infringement with regard to the Hardware. This exclusion does not apply to (i) any implied condition as to title and (ii) any implied warranty as to conformity with description.
7) This Limited Warranty does not affect any legal rights under applicable national legislation governing the sale of consumer goods.
8) This Limited Warranty cannot be transferred to any other person.

LIMITATION OF LIABILITY
1) Neither AlcoSense nor its suppliers shall be liable to you or to any third party for any damages either direct, indirect, incidental, consequential or otherwise (including in each case, but not limited to, damages for the inability to use the equipment, loss of business, loss of profits, business interruption or the like) arising out of the use of or inability to use the Hardware even if AlcoSense has been advised of the possibility of such damages.

2) Notwithstanding any damages that you may incur for any reason whatsoever (including, without limitation, all damages referenced herein and all direct or indirect damages in contract or (anything else), the entire liability of AlcoSense and any of its suppliers shall be limited to the amount actually paid by you for the Hardware.

3) Now AlcoSense shall not be liable for (i) any fraud on the part of its employees and/or agents; or (ii) any fraudulent misrepresentation on the part of its employees and/or agents.
4) Notwithstanding the above, neither party's liability for death or personal injury resulting from its own negligence shall be limited.
5) If any of these terms shall become or be declared illegal, invalid or unenforceable for any reason whatsoever such term shall be divisible from these terms and shall be deemed to be deleted from them.