



AlcoSense® NOVO

Fuel Cell Breathalyser



User's Manual

Version 1.1, Aug 2021

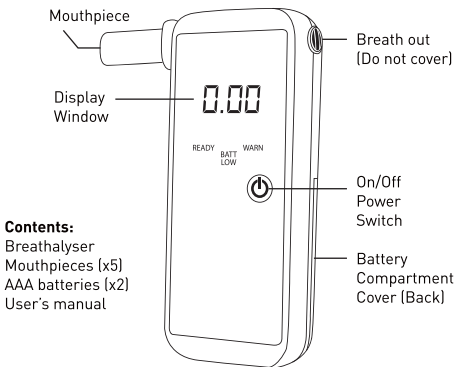
Australian
Standard
AS3547
Lic. SMK40556
SAI GLOBAL

Dear customer

Congratulations on buying your new AlcoSense® Novo breathalyser. Now, when you are drinking, you can be more aware of your alcohol level before you get into the car and possibly drive dangerously.

We hope you enjoy owning your AlcoSense® Novo breathalyser. If you have any questions regarding the unit or want to speak with us further, please visit andatech.com.au or call 1300 800 200 (between 9am and 5pm, Monday to Friday).

Components



Display



Test result is displayed as a 2 decimal place %BAC reading e.g. 0.05%BAC (the legal limit)

Green LED will turn on when the device is ready for a test.

It will also turn on when the test result is below the warning level.

Yellow LED will flicker when the battery voltage is low. Replace with new alkaline batteries for optimal results.







If the test result is above 0.05%BAC the **“WARN”** LED will light up.

Operating Instructions

1. Insert a mouthpiece into the mouthpiece inlet.
2. Push the ON/OFF button to switch on the device. The device will display "on" along with a welcome sound, and will then start warming up to prepare the sensor and circuit for testing.
3. When the device beeps and "bLo" is displayed on the screen, take a test by blowing steadily into the mouthpiece. Stop blowing only when you hear another "beep".
4. The device will analyse the sample and then display the BAC test result for 20 seconds, along with a beeping sound.
 - If the test result is over 0.05%BAC, the Red "WARN" indicator will light up along with an "Alarm" sound.
 - The result will be displayed for 15-20 seconds along with the "READY" or "WARN" indicator lights.
5. To take another test, wait for the "READY" or "WARN" light to switch off, and then repeat steps 2 to 4.
Alternatively, hold down the power button for 2 seconds to switch the device off.

Note: If the device is not in use, it will switch off automatically to conserve the batteries. If this happens, just switch the device on by pressing the on/off button.

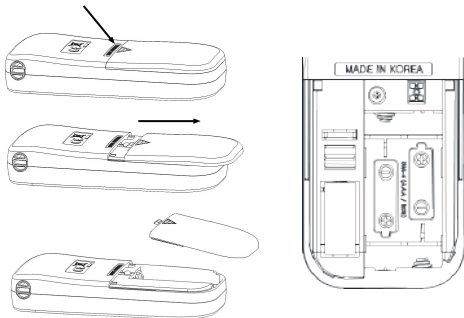
Warning Display

	If the result is higher than 0.05% BAC, the "WARN" signal will display along with an "ALARM" sound.
	If the result is above 0.40% BAC, the "Hot" signal will display along with alarm sound.
	When the device has tested over 500 times, "CAL" will display. Please send the device back for calibration.
	The battery voltage is too low to perform a test. The device will switch off automatically after showing this signal. Refer to the "Battery Replacement" section on replacing batteries.
	The breath sample was not strong enough for measurement. Please switch on the device again and make sure to exhale into the mouthpiece steadily and continuously for at least 3 - 5 seconds until the "beep" is heard. Push the power button to perform another test.
	When the ambient temperature is outside of the working temperature range (5°C - 40°C), the device will display "OUT" and then automatically switch off. Please store and use the device only within the recommended temperature range.

Battery Replacement

The device's yellow LED light will flicker when the battery voltage is low. Replace with brand new, non-heavy duty, non-rechargeable alkaline batteries for optimal results.

Apply a small amount of pressure on the battery cover located on the back of the unit and push down, and away from the device to release the cover.



Note: Make sure to insert the batteries in the proper position of positive(+) and negative(-) as indicated.

Specifications

Indication of %BAC	0.00 to 0.40% BAC
Accuracy	+/- 0.01 at 0.10% BAC
Warm-up Time	15 - 35 seconds
Response Time	3 - 22 seconds
Mouthpiece	5 mouthpieces supplied (only compatible with AlcoSense mouthpieces)
Sensor Type	Fuel cell sensor
Power Supply	2 x 1.5V AAA size alkaline batteries
Weight	61.5g (84g including batteries)
Dimensions (mm)	114 (height) x 47 (width) x 24 (thickness)
Ambient conditions	Operation: 5 to 40°C Storage: 0 to 40°C
Calibration	Recommended every 6 months Australian Standards Requirement: 1 month

Disclaimer

PLEASE NOTE:

1. This product must be used in accordance with the instructions in this manual and - in particular - must not be allowed to get wet.
2. This product is intended to provide the user with an indication of alcohol on the breath. However, neither the manufacturer nor the supplier gives any warranty (express or implied) that the product can give any indication of blood alcohol level.
3. A person's BAC (Blood Alcohol Concentration) can only be accurately measured by the administration of a blood test. This product only measures breath alcohol content which, in turn, only gives an approximately indication of blood alcohol concentration.
4. In these circumstances the user of this product should not rely on the information provided thereby as an accurate indication of his blood alcohol concentration or of his level of intoxication or of his fitness to drive and in particular should not take any action in reliance on such information as the product can provide no more than an indication of alcohol on the breath.
5. If the user of this product makes any decision or takes any action based on the use of the product such decision or such action shall be at the sole risk of the user and neither the manufacturer nor the supplier assumes any responsibility for such decision or action. In particular, neither the manufacturer nor the supplier shall be in any way liable if the user of the product asserts that the product led him to believe that he was fit to operate a motor vehicle and is subsequently found not to be so fit.
6. This product is certified pursuant to Australian Standard AS 3547.

Recalibration & Service

The AlcoSense® Novo uses a fuel cell sensor to measure breath alcohol levels. Depending upon the amount of alcohol registered by the sensor after a period of time, it will require recalibration. Andatech recommends the AlcoSense® Novo to be calibrated every 6 months. To maintain to Australian Standards, calibration every month is required. For technical support please contact 1300 800 200.

Limits

AUSTRALIAN BLOOD ALCOHOL LIMITS: Adult License 0.05%

Some drivers are restricted to lower levels of BAC. Please refer to your local transport authority for your correct limit. If in any doubt do not drink and drive.

The safest level when driving is none at all. Alcohol impairs your judgement and can make you drowsy or sleepy.

Warnings

- a. Allow at least 20 minutes after eating or drinking before testing. Any type of alcohol remaining in the mouth of saliva may interfere with proper testing and requires about 20 minutes to disperse. This includes alcohol-based mouthwash or similar products.
- b. Avoid testing in high wind conditions or in poorly ventilated or enclosed spaces. Poor ventilation may also lengthen the time required for warm up between tests.
- c. Do not blow smoke, saliva or other contaminants into the mouthpiece, as the sensor may become damaged. Wait at least 20 minutes after smoking before conducting a test.
- d. Do not use the AlcoSense® Novo breathalyser as a tool to drink and drive.
- e. Do not blow fluid into the instrument as it will damage the sensor and void your warranty.
- f. Do not store in an extreme environment where high temperature or high humidity exists. Keep out of the reach of children.
- g. Blood alcohol concentration can continue to rise for up to 2 hours after the cessation of drinking. If a caution result or a result is close to the designated BAC, it is recommended to wait and retest after 20 minutes.
- h. It can take 10 hours or more for the alcohol level to return to a zero after a high blood alcohol level has been reached. A further test should be carried out later in the day of the following morning.
- i. User-serviceable batteries safety:
 - Do not dispose of batteries in a fire.
 - Do not recharge a battery unless it is specifically marked "rechargeable".
 - Do not expose the AlcoSense® Novo or batteries to heat source.
 - Do not mix old and new batteries, or mix different types or makes of batteries.
 - Do not allow children to play with the batteries.

WARRANTY DETAILS

It is our aim to provide you with quality products that you can trust. Our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The Guarantee

The product is guaranteed to be free from defects in workmanship and parts for a period of 3 years from date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion, solely at our option with no charge for parts and labour. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Trade Practices Act and similar state laws.

Proof of Purchase

This warranty is valid for the original purchase and is not transferable. Please keep your purchase docket or receipt as proof of purchase and as proof of date on which the purchase was made. The purchase docket (or a copy) or receipt must be presented with the warranty when making a claim under this warranty.

Service during the Warranty Period

To claim for warranty, contact us on support@andatech.com.au or 1300 800 200 to get an RA# (Return Authorisation Number). Ensure that the RA# is clearly stated on the outside of the packaging and that the product is properly packaged so that no damage occurs to the product during transit. Shipping of the product back to us for warranty will be at your cost. A product return without the RA# or proof of purchase will not be accepted.

Extent of Warranty

This warranty is limited to defects in workmanship or parts. All defective products or parts will be repaired or replaced. This warranty does not cover manuals and packaging.

Normal Wear and Tear

This warranty does not cover normal wear and tear to the product or parts.

Exclusions

This warranty does not cover:

- Calibration costs.
- Any defect caused by an accident, misuse, abuse, improper operation, lack of reasonable care, unauthorised modification, loss of parts, tampering or attempted repair by a person not authorised by the distributor.
- Any product that has been damaged by a lightning strike either directly or indirectly or a main power surge or liquid ingress.
- The product if it is located outside of Australia.
- Any damage caused by improper power input or improper cable connection.

Warranty

The manufacturer warrants for 3 years of the product to be free from defects in workmanship or material (excluding re-calibration) in normal service from the date of purchase. Manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit if returned along with proof of purchase. This warranty is void if the unit has been tampered with, damaged or abused in any way.



Product Registration Form

my.andatech.com.au is a central location where you can register your warranty, sign up to receive calibration reminders and schedule calibrations. Once you have registered you can add as many AlcoSense products as needed to that account.

Register online at my.andatech.com.au

Product Registration Form

If you prefer the old fashioned method, complete this form and forward to the address below along with a copy of your proof of purchase.

**Andatech Pty Ltd
PO BOX 3038, Nunawading VIC 3131 Australia.**

Product **AlcoSense® Novo**

Serial no.

Date of purchase

Place of purchase

Surname

Given name

Address

Suburb

Postcode State

Contact no.

Email

AlcoSense®

