

PROTECTOR[®]



AlcoLimit
Digital Breathalysers
Australia's Leading Brand!

AlcoLimit Breathalysers Pty. Ltd.
Ph: 1300 667 661
www.alcolimit.com.au

IMPORTANT INFORMATION

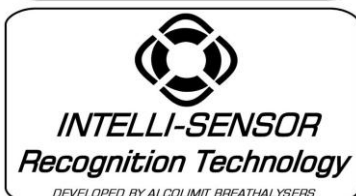
If you do not follow the instructions for use your test results may be inaccurate and your warranty may become void.

IMPORTANT NOTE: YOU MUST WAIT AT LEAST **20 MINUTES** AFTER YOUR LAST ALCOHOLIC DRINK BEFORE USING ALCOLIMIT Protector OTHERWISE INACCURATE READINGS OF YOUR BLOOD ALCOHOL LEVEL WILL BE DISPLAYED ON THE SCREEN.

PARTS OF YOUR BREATHALYSER



AlcoLimit's Flow Control Technology checks the flow rate of your breath. An adequate air sample must be received before it will provide you with a reading. This is just one of the safety measures built into the AlcoLimit range.



AlcoLimit's Intelli-sensor Recognition Technology checks the sensor condition every time you use your breathalyser. Stability of the sensor is analysed and an indication will be given if the sensor needs recalibration.

SPECIFICATIONS

Usage	Professional
Sensor Type	Electrochemical Fuel Cell Sensor
Accuracy	+/- 0.005 at 0.100% BAC Calibrated for Aust. & NZ legal limit
Range	0.000- 0.400% BAC
Display	LCD, 3 decimal places with Backlight
Warm-up time	< 30 seconds
Breath Sampling Time	6 seconds (approx.) a minimum flow must be received to get a reading
Time Between Retests	< 30 seconds
Housing	Shock Resistant Plastic
Weight	100g with batteries
Power Source	2 x 1.5V 'AAA' batteries
Power usage	over 500 times
Dimensions	106 x 50 x 20mm
Warranty	1 year manufacturer's warranty
Recalibration Period	3 months or 1000 uses, whichever comes first
Mouthpieces	5 mouthpieces included

Specifications are subject to change for the purpose of product improvement.

For all after-sales service and enquiries please contact the manufacturer:

AlcoLimit Breathalysers Pty. Ltd.

P.O. Box 1106

Manly, N.S.W. 1655

Australia

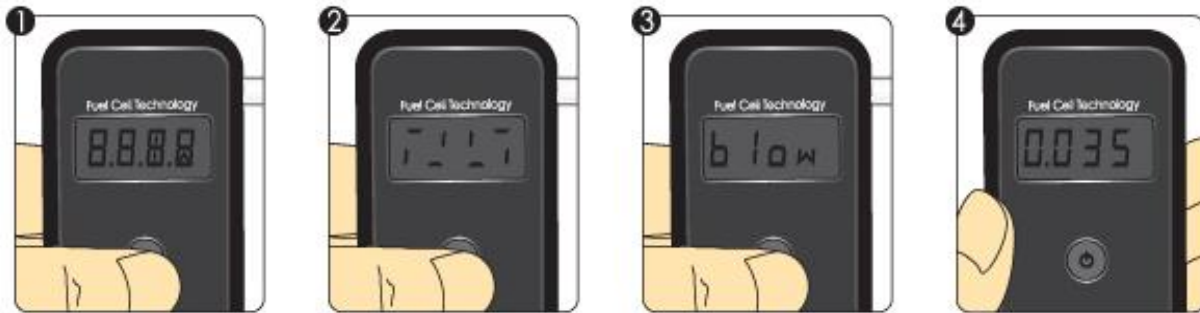
Ph: 1300 667 661 or +612 9939 3077

Website: www.alcolimit.com.au

Email: sales@alcolimit.com.au

USAGE

First, place 2xAAA batteries (supplied) into your ALCOLIMIT Protector.



1. To turn your ALCOLIMIT Protector on, depress the ON/OFF button for 2 seconds until the screen turns on.

2. The unit will commence a start up process. Purge cycles and circuit tests are taking place during this time. This process generally takes 30 seconds but can last 2 minutes.

3. The unit is ready when two beeps sound and the word **blow** appears on the display

4. Attach the mouthpiece tube and blow one consistent deep breath into the sensor. There will be a continual long beep while you are blowing. A full lung of air is required. Once your ALCOLIMIT Protector has received enough airflow you will hear a double click signalling you to stop. If

inadequate airflow is received, the word **Flow** will appear on the screen. Do not block the air hole on the opposite side of the mouthpiece while testing as this will affect the airflow.

Please note: If you do not test yourself within 30 seconds of the unit becoming 'READY' the word **Out** will appear on the screen and you will need to start again.

Please Note: After 4 minutes of non-use the unit automatically turns off.

Retesting

After each use your AlcoLimit Protector will turn itself off after 4 minutes. To retest, wait until the backlight dims, then depress the on/off button, and wait for it to warm up again. Retesting can be done within 30 seconds as there is no need to wait 4 minutes for the auto shut down.

Low Battery Indicator

ALCOLIMIT Protector indicates low battery when the word **b2t** appears on the screen at start up. Fresh batteries (2 x "AAA" size) should be installed before retesting. High quality Alkaline or Lithium batteries must be used.

DISPLAY & INTERPRETATION

A zero will scroll across the screen and then your %BAC reading will be displayed on the screen. Your %BAC will be displayed on the screen for 20 seconds after which your ALCOLIMIT Protector will turn itself off.

Range %BAC	Digital Display and Audio Signals
0.000% - 0.049	%BAC displayed on screen with audible beeps
0.050% - 0.249	%BAC displayed on screen with one long audible beep
0.250 upwards	'OLT' (over limit) will appear on the screen indicating the maximum level has been reached

This device is a 0.05% BAC device (0.05%BAC is equal to 0.05grams of alcohol per 100ml of blood). ALCOLIMIT Protector has a range of 0.000-0.250 %BAC. Readings of 0.250%BAC or over will be displayed as 'OLT' (over the limit).

Australian Customers: The Australian drink driving cut-off for people on a full license is 50mg per 100ml of blood. This equates to 0.05%BAC.

This is current as at July, 2008. The Australian Govt. may change this level in the future so please check before driving.

NZ Customers: The New Zealand drink driving cut-off for people over 20 years old is 80mg per 100ml of blood. This equates to 0.08%BAC.





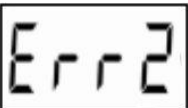
This is current as at July, 2008. NZ Authorities may change this level in the future so please check before driving.

PLEASE NOTE: Alcohol vapour on your breath will cause a higher reading. We recommend having a glass of water prior to testing and waiting at least 20 minutes after your last drink for accurate results. Not waiting the required 20 minutes will saturate the sensor unnecessarily and may cause sensor damage. This is not covered under your warranty. Please always wait 20 minutes after consuming any alcohol to avoid this problem.

PRODUCT TRAINING

- Product training is available online to train your employees to use the Protector in the workplace, in accordance with Australian Standards.
- A 'Certificate of Attainment' will be issued upon completion of the online module.
- Please call us on **1300 667 661** or visit our website **www.alcolimit.com.au** for further information.

TROUBLESHOOTING GUIDE

Symptom	Solution
Unit turns on and counts down then turns itself off	Not enough power - replace batteries
	Not enough power - replace batteries
Unit doesn't power up at all	Check batteries are new and in the correct direction +/- Rechargeable batteries will not work due to lower voltage
	Recalibration is required
	Inadequate airflow received. Keep blowing until you receive a double beep/click
	Unit has timed out. You need to restart. Ensure you blow into the unit within 30 seconds of it becoming ready
	Inconsistent breath strength. Please test again ensuring breath <u>strength</u> is consistent for the duration of the breath sample.
Readings are inaccurate	Ensure you've waited 20 minutes after drinking any amount of alcohol. If this rule is not adhered to on <u>all</u> occasions, unnecessary alcohol residue build-up on the sensor will occur. If in doubt, send your unit for recalibration

For any other issues please call our customer centre on 1300 667 661 or +612 9939 3077 (NZ customers)

WARNINGS (Please read carefully)

- Closed rooms with poor ventilation, pollution, smoke or air conditioning may delay the time for resetting between tests.
- Not waiting at least 20 minutes after your last alcoholic drink will cause inaccurate readings, and if you continue to misuse ALCOLIMIT this way you will damage the sensor beyond repair (not covered under warranty). Have a glass of water or other non-alcoholic beverage to minimise alcohol vapour in your mouth as the vapour can cause a higher reading.
- Retest 2-3 times to obtain a reliable test result. We suggest you then wait a further 10 - 20 minutes and retest to check that your level has stabilised and not increased.
- Blood alcohol concentration can continue to rise for up to 2 hours after the cessation of drinking. If the reading is close to the limit it is advised to wait a further 10-20 minutes and retest to determine whether your %BAC has stabilised.
- It can take 10 hours or more to return to a zero reading after a high blood alcohol level has been reached. A further test should be carried out later in the day or the following morning.
- If you are taking ALCOLIMIT overseas or using it at a different altitude please be aware that the calibration may be affected.
- Do not blow cigarette smoke or liquid into the tester.
- Alcohol affects each individual differently depending upon many factors; type of alcohol, muscle mass, weight, full or empty stomach, immune system, gender, regularity of drinking.
- Those with diabetes may find they can drink large volumes of alcohol yet still read 0.00%BAC. This does not mean your ability to drive is not impaired.
- Do not use ALCOLIMIT as a tool to drink and drive. There is no safe level of alcohol consumption before driving or operating machinery.

STORAGE CONDITIONS

Keep free from dust, dirt, and small particles as they may clog the sensor.

Keep in a cool dry place.

Keep out of extreme temperatures.

Keep out of reach of children.

Keep away from electrical interference.

Do not drop, knock or shake.

RECALIBRATION

The calibration period of ALCOLIMIT Protector is 3 months or 800 uses, whichever comes first. A specially calibrated alcohol simulator is used to recalibrate the ALCOLIMIT Protector and the electronics need to be reset during recalibration, do not attempt to service it yourself.

If you receive erratic or high readings your breathalyser may need recalibration.

If you have any doubt about the readings you are receiving from your ALCOLIMIT Protector then your breathalyser may need recalibration.

Periodic recalibration is required because over time breath alcohol testing devices may drift from their calibration setting even when not used.

Professional Calibration by our Technicians:

Recalibration costs \$75 AUD/\$90NZD and includes return postage to you within Australia and NZ via Australia Post Overnight Express.

Post your ALCOLIMIT unit to :
AlcoLimit Breathalysers Pty. Ltd.
P.O. Box 1106
Manly, N.S.W. 1655

When posting your ALCOLIMIT Protector to us you are advised to send it Registered Mail for tracking purposes.

You must include the following:

- your name
- return postal address
- daytime phone no.
- payment
- instruction manual to update service record

If you require a 'Calibration Certificate' please request one at the time of recalibration. These cost \$22 each.

Payment can be made via cheque or money order made out to:

'AlcoLimit Breathalysers Pty. Ltd.'

Or you may call us on **1300 667 661** to pay with credit card.

Your unit will usually be returned to you within a week. If you have any questions regarding recalibration, please call us on **1300 667 661 or +612 9939 3077**

For NZ Customers we recommend payment via Credit Card due to exchange rate changes.

WARRANTY

Manufacturer warrants for one year the product to be free from defects in workmanship or materials (excluding calibration) in normal service from the date of purchase. Manufacturer's obligation under this warranty is limited to replacing or repairing the unit if returned along with proof of purchase. This warranty is void if unit has been tampered with, misused, dropped, maliciously damaged or used for any purpose other than that intended.

DISCLAIMER

AlcoLimit Protector is recommended as a screening device only. The reading you receive is not legally binding in a court of law, ALCOLIMIT Protector is to be used only as a guide. The only true indication of your %BAC is a blood test.

Probationary drivers and machinery operators should check with their state authority or employer as to whether a 0.02%BAC or zero tolerance applies to them. We do not recommend driving or operating machinery with any amount of alcohol in your system. Heavy fines and penalties may apply and the presence of alcohol in your system may void your insurance.

The manufacturer gives no warranty, express or implied, as to the ability of ALCOLIMIT Protector to determine or detect intoxication or to accurately indicate your blood alcohol level. The manufacturer assumes no responsibility in circumstances where a person who has used the device and received an indication of the presence of alcohol in his/her exhaled breath is later found to be under the influence of or their judgment has been impaired by alcohol; and will in no circumstances be liable for any loss or damage in contract or tort (including negligence) or otherwise suffered by any person arising directly or indirectly from the use of ALCOLIMIT Protector.

The manufacturer, importer or distributor takes no responsibility whatsoever for the use of this product for any reason. This product must not be used as a tool for determining whether a person is able to operate a vehicle or machinery. The intake of any alcohol will impair reflexes and judgment to operate motor vehicles and machinery.

For further information on ALCOLIMIT Protector, and to view other models available, see our website: www.alcolimit.com.au or call our information line on **1300 667 661**.

ADDITIONAL PRODUCTS AVAILABLE

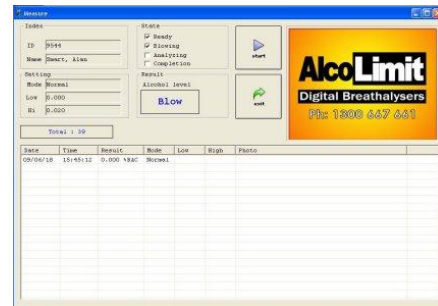
AlcoLimit Protector PC Kit

The AlcoLimit Protector PC Kit is a great addition to the Protector handset. The PC Kit software allows instantaneous downloading of results, date and time to your PC via a single USB cable.

Very easy to set up software, simply import your staff details and you're ready to go. After testing, the stored data can be exported to Excel for storage in staff personnel folders or an organisation's OH&S register.

The PC Kit uses large easy to read buttons and a simple layout for ease of use.

SELECT EMPLOYEE NAME OR ID FROM THE LIST AND PRESS THE START BUTTON, DATA IS INSTANTLY DOWNLOADED TO YOUR PC. YOU CAN THEN DOWNLOAD THE DATA FOR EASY STORAGE.



AlcoLimit Protector Interlock

Keep your fleet vehicles safe with the AlcoLimit Protector Vehicle Interlock. A quick driver self test is required in order to start the vehicle, ensuring your staff never drive work vehicles under the influence.

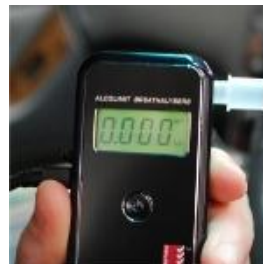
Ideal for use in all workplaces, transport, construction, mining, airports, engineering & manufacturing.
It is available for use in both 12v & 24v models.



Turn the unit ON



Blow into the handset



Your reading is displayed



PASS indicates you may start the ignition

AlcoLimit RBT Wallmount Breathalyser



Our latest *Australian Standards approved* wall mount breathalyser features a sleek, slimline, design that fits in most entryways without obstruction.

Its heavy-duty electrochemical fuel cell sensor is designed for use in workplaces, pubs & clubs.

Low purchase price and low cost maintenance make it the most affordable on the market!

The RBT's unique self-replaceable sensor module allows for instant servicing on the spot. No expensive servicing fees, simply remove the old sensor and replace it with a new one and the unit is ready for re-use.

For further details on our other products see our website www.alcolimit.com.au

RECALIBRATION SERVICE RECORD

Date of Recalibration	Service Details	Technician

For service records to be updated please send your instructions with your breathalyser each time it is recalibrated.
Alternatively, if you are using the Protector in your workplace, we recommend you request a 'Calibration Certificate'. These cost \$22 and will assist you in maintaining audit requirements.