



Andatech®

SOBERPOINT 3

Wall Mounted Breathalyser



USER'S MANUAL

V2.5. Updated Aug 2023.



Thank you for purchasing an Andatech® Soberpoint 3 breathalyser.

The Andatech® Soberpoint 3 is a Fuel Sensor type coin or button-operated breathalyser. It can help prevent alcohol-related incidents on industrial sites, in gaming venues, restaurants and bars. The device is easy and convenient to use, with clear on-screen instructions and indicator lights to inform users of their BAC level.

We hope you enjoy owning your Andatech® Soberpoint 3 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 5:30pm Monday to Friday).

Components



- LCD display: Displays instructions for use and the test results.
- Bulls eye: This is where the user places the straw to blow into the machine. The sampling time is 3 seconds.
- Coin Slot / Button: Located on the right side of the machine. The coin slot only accepts the coin denomination specified. Others are returned.
- Straw outlet (separate / optional): This is where the straws used to perform the test emerge from the machine.
- Good / Warning / Danger Light: Illuminates depending on the test result (refer to page 5).

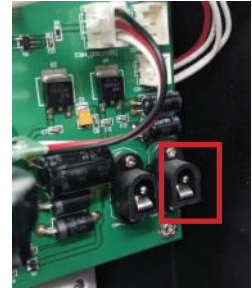
Specifications

Indication of BAC	0.000 to 0.250 %BAC
Warm up time	Within 30 seconds
Response time	Within 6 seconds at 0.100 %BAC
Accuracy	±0.005 %BAC at 0.100 %BAC
Ambient conditions	Operation: 5 °C to 40 °C Storage: 5 °C to 50 °C
Sensor	Replaceable fuel cell sensor
Display	LCD module
Result Reading	Good: Less than 0.02%BAC (0.00~0.20‰ or 0.00~0.10mg/l) Warning: 0.02 ~ 0.05%BAC (0.20~0.50‰ or 0.10~0.20mg/l) Danger: More than 0.05%BAC (More than 0.50‰ or 0.25mg/l)
Calibration	Unlimited tests, every 6 months
Mouthpieces	Cylindrical straw
Power supply	AC 110 ~ 220, 50/60 Hz, 1.0A input DC 12V, 3.0A output
Coin mechanism / button	Specify denomination of single coin / Push button to activate
Weight	3.5kg (including DC power supply)
Dimensions (mm)	330 (height) x 255 (width) x 90 (thickness)

Setting Up

Connect power cable

1. Open up the back of the machine.
2. Connect the power cable to power inlet located at the bottom right (see diagram) of the circuit board.
3. Plug in the power cable to a power source and switch it on. The machine will start up.



Set up functions

1. Buzzer

You can turn the buzzer sound on or off by using 'On' or 'Off'.

2. Low Pass Level

The default number can be set from 0.000 to 0.040%BAC.

Test results higher than this setting but lower than "High Pass Level" will trigger the yellow "Warning" indicator.

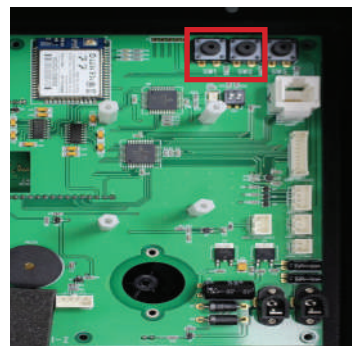
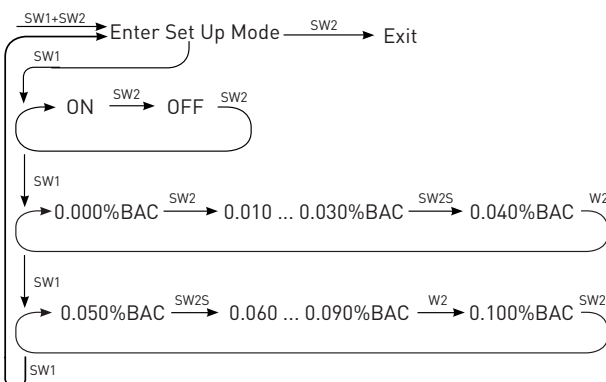
3. Hi Pass Level

The default number can be set from 0.050 to 0.100%BAC.

Results above this setting will trigger the red "Danger" indicator. This should normally be set to the legal driving limit.

To enter the settings menu, at the top right corner of the circuit board, press the two buttons labelled "SW1" and "SW2" together at the same time and hold them down for at least four seconds, then release.

You will see the message "To enter the set up mode"



Operating Instructions

The following instructions will be displayed on the LCD screen.

1. **KNOW YOUR LIMIT. CHECK YOUR ALCOHOL LEVEL.**
WAIT 10 MINUTES AFTER LAST DRINK BEFORE TESTING.
PUSH BUTTON OR INSERT COIN(S), AND TAKE A STRAW.
2. ▶▶▶▶▶▶ **WARMING UP, PLEASE WAIT ...**
3. **BLOW STEADILY UNTIL TONE ENDS**
If you stop blowing before the tone ends or do not blow hard enough throughout the test, "Flow Error" will be displayed on the LCD screen.
Please wait until "Blow steadily" message is displayed and try again.
4. **SAMPLING IS COMPLETED.**
"ANALYZING"
5. The test result is displayed.
When the measurement is complete, the blood alcohol concentration result will appear on the LCD screen. Then the guide will indicate whether or not you can drive, aided by the face lamp lights. The message for each level is:



Good

Very little or no alcohol has been detected.
Don't drink and drive!



Warning

A moderate amount of alcohol has been detected.
Don't drink and drive!



Danger

A high level of alcohol has been detected.
Don't drink and drive!

Precautions

1. Blood alcohol concentration can continue to rise for up to 2 hours after the cessation of drinking.
2. It can take 10 hours or more for the blood alcohol level to return to zero after a high blood alcohol level has been reached and in such cases, further test should be carried out later in the day.
3. During testing, any alcohol traces left in your mouth will increase the value of the blood alcohol concentration level. Remove these traces before testing. Highest accuracy is achieved 30 minutes after drinking.
4. Cigarette smoke may also increase the blood alcohol concentration value displayed. Allow one minute after smoking before testing.

Maintenance

The product software is easy to maintain and can be changed without any special skills. It will automatically check and adjust the accuracy rate of measurement.



SW1. Total Count



SW2. Set the coin number



SW3. Testing mode

1. To check the total amount of tests, press SW1 and the display window will show the test.

Press SW1 for 2 seconds and the count will be reset to 0, automatically returning to normal operation mode. Wait a few seconds after testing.

2. When you adjust the number of coins for each test, press SW2 for 2 seconds.

The display window will show “set the coin number”, then press SW2 again. It will allow from 0 to 10 coins per test.

Example: If number 2 is entered, two coins are required. The default number is set to 1.

This should only be changed for mechanical coin acceptors. For digital multiple coin acceptors, leave coin number at 1 and program price using coin mechanism.

Replacing Sensors

Replace the sensor only with those provided by the manufacturer.

Please refer to the following diagram and instructions for sensor replacement:

A. Verify existing settings

- | | |
|---------------------------------|----------------------------------|
| a. To Enter Set Up Mode
Exit | c. Low Pass Level
0.010 %BAC |
| b. Buzzer
ON | d. High Pass Level
0.050 %BAC |

Enter menu and document current settings

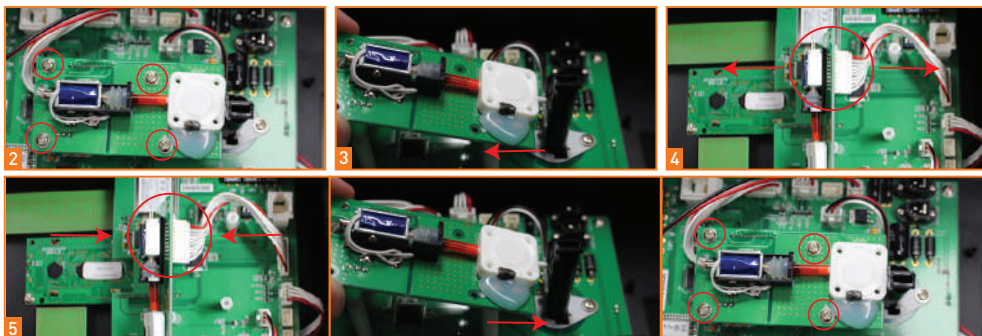
- Press SW1 and SW2 simultaneously, hold until setup screen displays
- Press SW1, document buzzer on/off: _____
- Press SW1, document low pass setting: _____
- Press SW1, document high pass level: _____

B. Replace sensor



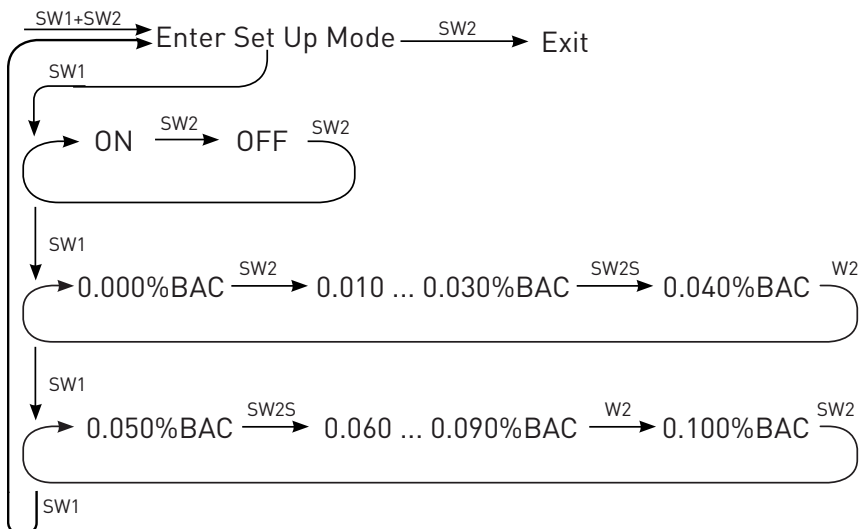
Disconnect the unit from the power source.

Please refer to the diagram below and the Troubleshooting Section (page 14) for replacement issues.



2. Open the rear door of the SoberPoint and unscrew the four screws holding the sensor board in place
3. Pull out the sensor board above the arrow direction
4. Plug out the connector and exchange the new sensor board
5. Plug in connector, carefully install the sensor board and replace the four screws
6. Turn on the power and perform a test to check the unit is operational

C. Adjust breathalyser settings



Enter menu and adjust settings

- a. Press SW1 and SW2 simultaneously, hold until setup screen displays
- b. Press SW1, press SW2 to turn buzzer on or off
- c. Press SW1, press SW2 to set low pass level
- d. Press SW1, press SW2 to set high pass level
- e. Press SW1, then SW2 to exit

Warning Display

1. Flow error

If you stop blowing or you do not breathe strongly enough “Flow Error” will be displayed on LCD.

Please wait and try again and the machine will return to the waiting mode.

2. Sensor error

A. Check if the alcohol sensor is positioned correctly on the board.

B. If you still have the error message, replace the sensor.

3. Calibration

When the unit is due for calibration it shows, “CALIBRATION IS REQUIRED shortly” and the unit will shut down within 5 days.

4. Over Limit

Unit has returned a reading in excess of 0.250% BAC.

Troubleshooting

1. The machine is plugged in, but there is no power

- a. Ensure you are using the correct power adapter for your region and that the power adapter is functioning.
- b. Make sure that the line attached to the power adapter is connected correctly to the power socket on the bottom of the machine.

2. The machine does not work after a coin is inserted

- a. Make sure you use the correct currency & coin denominations. The machine will only accept the specified set of coin/s; others will be returned.
- b. Select "Coin number" using the SW2 button, then ensure the corresponding coin number set on the display window is correct. As explained above, the machine will work only if you use the specific type / number of coins.

3. There is no buzzer sound

The option for buzzer sound can be selected. In the set up mode, check the status of the set up as explained above.

4. The machine does not respond after the user blows into the sampling hole

Check if the display window shows "Sensor error". If it does, the machine may have a problem. You need to take the action corresponding to the error number as previously explained under the "Warning Display" heading.

5. The machine does not return to waiting mode after testing

The results are displayed for about 10 seconds. To go back to the measuring mode, the alcohol blown into the machine must be eliminated completely.

A higher level of alcohol increases the time required for this elimination to be completed, normally up to 2 minutes for very high readings. If it does take more than one minute, the sensor may be malfunctioning. Contact customer service if this is the case.

6. The machine asks the user to take another test after a test has already been taken.

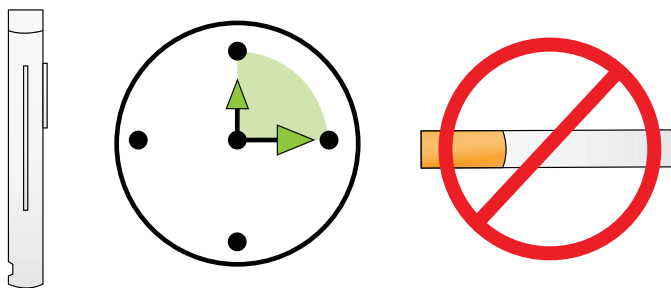
The button may have been pushed too many times or too many coins were inserted into the machine. Turn the machine off and then back on again to return it to its normal operation.

Disclaimers

- This product must be used strictly in accordance with the instructions in this manual.
- 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.
- 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 approximate indication of blood alcohol concentration.
- In these circumstances the user of this product should not rely on the information provided thereby as an accurate indication of their blood alcohol concentration or of their level of intoxication or of their 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.
- 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 them to believe they were fit to operate a motor vehicle and are subsequently found not to be so fit.

Measurements & Conditions for Test

- Use a clean straw for each test.
- Do not allow samples containing smoke, tobacco or other chemical products to enter the unit, as damage to the fuel cell can occur.
- There must be an interval of at least 15 minutes after alcohol consumption as alcohol residue in the mouth may give a false reading. Such residue may also be left by aromatic drinks, mouthwash, medicines and drops, as well as by belching and vomiting. Rinsing your mouth with water or non-alcoholic drinks does not substitute for an interval.
- A person's blood alcohol concentration (BAC) can continue to rise for up to 2 hours after drinking alcohol. If a caution results or a result is close to the designated BAC, it is recommended to wait and retest after 20 minutes.
- It can take 10 hours or more for a person's BAC to return to zero after a high BAC has been reached. A further test should be carried out later in the day or the following morning.



LIABILITY FOR PROPER FUNCTION OR DAMAGE

The liability for proper functioning of the instrument is irrevocably transferred to the owner or operator in the event the instrument is serviced or repaired by personnel not employed or authorised by Andatech. In such an event, the warranty will be void.

WARRANTY

The manufacturer warrants for 3 years from the date of purchase, the product to be free from defects in workmanship or material (excluding recalibration) under normal use. The 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.

Visit **my.andatech.com.au** to register your warranty online and receive calibration reminders.

CALIBRATION AND SERVICE

Andatech recommends the Andatech® Soberpoint 3 to be calibrated every 6 months to maintain its accuracy to Australian Standards AS3547 requirements.

To register your product warranty, receive calibration reminders and book in a calibration, please go to **my.andatech.com.au** or contact:

Andatech

Hotline: 1300 800 200 **Website:** www.andatech.com.au

EASY WAY TO MANAGE YOUR CALIBRATIONS

Sign up for a Breathalyser Management Plan and save time and money each year. It's the easiest way to get your breathalyser calibrated every 6 months, and saves you the hassle of booking it in each time.

- ☒ Set and "forget"
- ☒ Save costs
- ☒ Priority calibration

Go to **andatech.com.au/breathalyser-management** or call 1300 800 200 for more information.

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 the 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 1300 800 200 or send an email to support@andatech.com.au 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.



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