



ANDATECH SENTRY

Baton Breathalyser



USER'S MANUAL

Suracell™ Technology

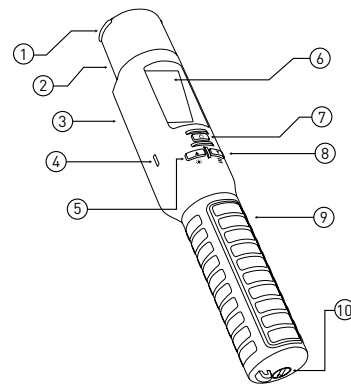
Thank you for purchasing the Andatech Sentry baton breathalyser.

We hope you enjoy owning your Andatech Sentry 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).

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Components














- | | |
|---------------------------------|---|
| 1. Blow cap | 6. White FND display |
| 2. LED Lighting | 7. Power / Confirmation / Passive test button |
| 3. Magnet installed (Rear side) | 8. Setting / Down button |
| 4. Micro USB port | 9. Battery cover & handle |
| 5. Lighting / Up button | 10. Slotted screw |

Contents


- | | |
|----------------------------|------------------|
| 1 x Andatech Sentry | 1 x Handstrap |
| 1 x Blow cap | 1 x User manual |
| 3 x Blow caps (additional) | 6 x AA batteries |
| 1 x Micro USB cable | 1 x Hard case |

Operating Instructions

1. Press the power button . The screen will light up .
2. The device will then indicate the battery level as High , Medium  or Low .
3. The device will then proceed to warm up .
4. The device is ready to take a test when it shows "go" .
5. Get the subject to blow into the device blow cap from a distance of 2 to 3 cm away from the sampling hole.
6. The test result will be displayed in two modes:
 - **Passive mode:** Results will be displayed as Zero , Low  or High .
 - **Normal mode:** Results will be displayed in 2 decimal format from **0.00 to 0.10 %BAC** (equivalent to 0.50mg/L or 0.10%BAC or 100mg/100mL)

*Results higher than 0.10% BAC will be displayed as "HI"  without the 3-digit result display.






Note: In normal mode testing, results may be affected by sampling distance, angle, flow rate, and strength.

Press and hold the power button from switched off mode, to see the last test "L" result e.g. .



When switched on, press and hold power button to switch off the unit. It will show OUT.

Manual mode testing











This mode can be used if the subject is unable to breathe out hard enough, or to check the alcohol content of a drink. To use this mode:

1. Place the unit sampling hole as close as possible to the subject's mouth or the drink's contents without touching.
2. Press the power button  once when the unit is in "go" status .
3. Results will be displayed as Zero , Low  or High .

LED Light Options

1. Press and hold the left button  to enter the LED light options. Continue pressing to change the light colour.
2. Hold down the left button  to revert to the default white LED light option.

Troubleshooting / Warning Display

	Escape to "go" (ready to blow) mode from the setting menu. Shortcut key: hold the   buttons together
	The unit is running out of batteries. Replace with new batteries now (Replace all batteries at the same time. Do not mix old and new batteries)
	Appears when the surrounding temperature is below -5°C when it is too low to operate the device.
	Appears when the surrounding temperature is above 50°C when it is too high to operate the device.
	Number of DAYS before calibration is required. For example, d.30 means 30 days left before calibration is required.
	Number of test COUNTS before calibration is required. For example, t.99 means 990 test counts before calibration is required. This warning will only appear before the warming up status when the device is switched on.
	Number of DAYS that the calibration grace period has been activated. The CA.d and specific number of DAYS left until calibration lock will be displayed alternately. Device must be calibrated before this number counts down to zero.
	Number of test COUNTS that the calibration grace period has been activated. The CA.t and specific number of test COUNTS left until calibration lock will be displayed alternately. (001 = 10 COUNTS left) Device must be calibrated before this number counts down to zero.

CAL	Device is in calibration lock status and cannot be used. Contact technical service provider to get the unit calibrated.
b	Battery level indication This indication will only appear before the warming up status when the device is switched on.
90	Low battery level indication while device is in ready to blow status. The batteries need to be replaced immediately. * Low battery level indication could be displayed under WHITE LED status as the power consumption of the WHITE LED is much higher than that of other LED colours.
90.	Device is under calibration grace period (DAYS or COUNTS) Device needs to be calibrated before it enters calibration lock status.
F10	Flow error: The breath sample was not strong enough. Get the subject to blow strong and steady during sampling.
USB	USB cable is connected to the device.
PC	PC software is connected to device.
Err.1	Err1 error: Pressure sensor is damaged. Contact your technical service provider.
Err.2	Err2 error: Alcohol sensor is damaged. Contact your technical service provider.
Err.3	Err3 error: Timer or timer battery is damaged. Contact your technical service provider.
Err.5	Err5 error: Memory damaged. Contact your technical service provider.
Err.8 Err.9	Err8 or Err9 error: Alcohol sensor damaged. Contact your technical service provider.
00E	Device is ready to switch off. Press power button once to switch off the device.
0FF	Device is switching off.

Menu

The Menu mode can be accessed to change the device settings. To enter Menu mode (Some devices may have the menu disabled at the request of the owner):

When the device is in "go" **90** status, press and hold the down button until the screen shows **0LR**.

Use the up and down buttons to scroll through the Menu Options.

Press the power button to enter any Menu setting option.

Press the up and down buttons to scroll through the setting options available, then press the power button to select and save. After saving, the device will return to the main menu options.

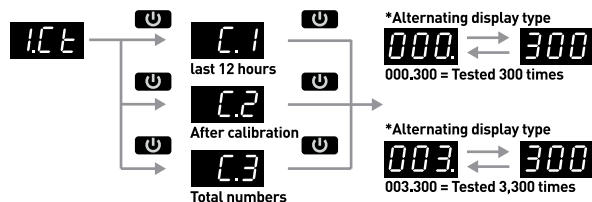
Continue scrolling, or press and hold the buttons to return to warm up **0LR** and testing mode **90**.

Menu Options

0LR 0. Last Result Check

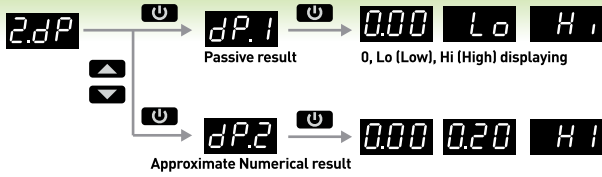


1CE 1. Count of Test Numbers

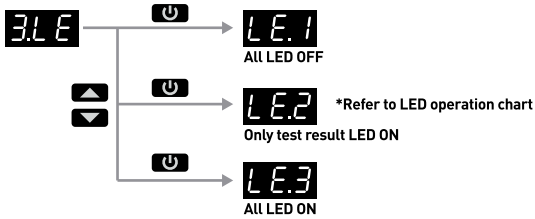


*The dot on the display indicates a thousand.

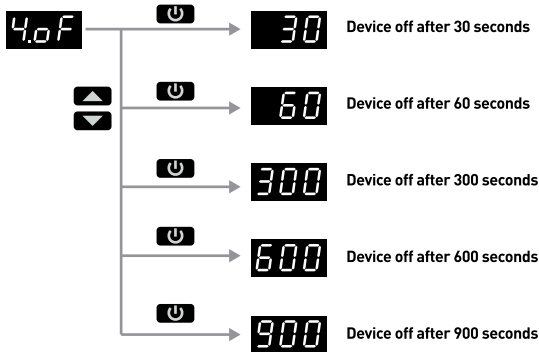
2.dP 2. Display Mode Setting



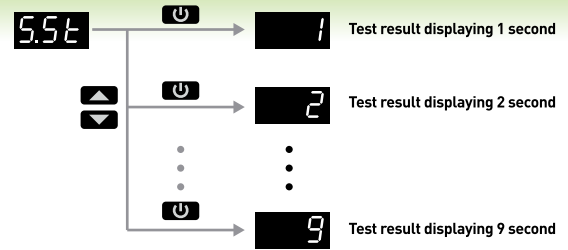
3.LE 3. LED Light Setting



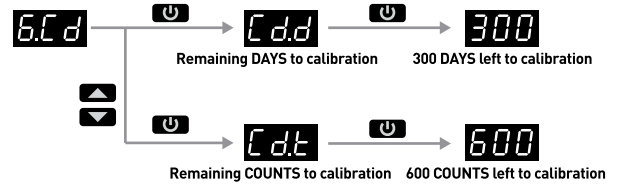
4.oF 4. Automatic Switch Off Setting



5.St 5. Test Result Display Time Setting



6.Cd 6. Calibration Reminder Setting



Note: If device has passed the calibration DAYS or COUNTS, the grace period will be activated, and the “remaining DAYS or COUNTS” to the calibration lock will be displayed whenever the device is turned on.

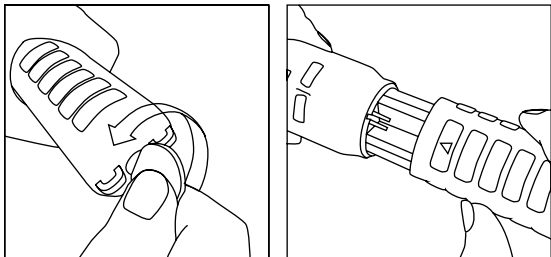
If the device has passed the grace period of the calibration DAYS or COUNTS, the device will be locked and cannot be operated anymore. Contact your local authorised agent to get it calibrated.

LED Operation Chart

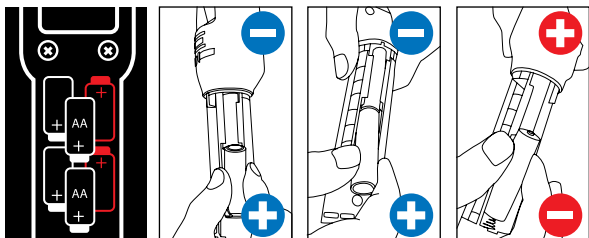
LED MODE	STATUS (go mode)	READY	RESULT	MANUAL OPERATION BY [Up/Down] BUTTON
LE.1	ZERO	[Grey]	[Grey]	[White] [Red] [Blue]
	LOW	[Grey]	[Grey]	[White] [Red] [Blue]
	HIGH	[Grey]	[Grey]	[White] [Red] [Blue]
LE.2	ZERO	[Grey]	[Green]	[White] [Red] [Blue]
	LOW	[Grey]	[Red]	[White] [Red] [Blue]
	HIGH	[Grey]	[Red]	[White] [Red] [Blue]
LE.3	ZERO	[White]	[Green]	[White] [Red] [Blue]
	LOW	[White]	[Red]	[White] [Red] [Blue]
	HIGH	[White]	[Red]	[White] [Red] [Blue]

Replacing Batteries

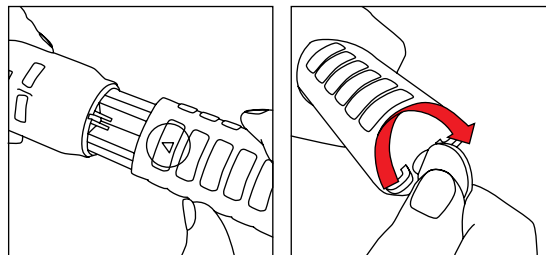
1. Loosen the slotted screw by turning it anticlockwise using a coin or appropriate tools. Remove the Battery cover.



2. Replace the old batteries with six new 1.5V Alkaline Batteries (LR06, AA) or rechargeable batteries. Please make sure that the batteries are inserted in the correct direction (follow the batteries diagram on the rear label).



3. Put the battery cover back into position, with the arrow facing upwards. Align the protrusion with the slot on the device and tighten the slotted screw by turning it clockwise using a coin or appropriate tools.



Battery Safety Information

- Do not disassemble the batteries!
- Only replace with batteries of the same type. Never use different types of batteries together or combine used batteries with new ones.
- Replace all the batteries at the same time. Do not continue re-using the old batteries.
- Keep batteries out of children's reach.
- Do not use manganese batteries.
- Do not attempt to recharge Alkaline batteries as this may cause an explosion.
- Do not insert the battery into the opposite electrode (refer to the diagram on the rear side label whenever replacing batteries).
- Please remove all the batteries if not using the device for a long time.
- If batteries show any sign of leakage, please remove them immediately and avoid contact with eyes or skin. If battery liquid comes in contact with any of these body parts, rinse the affected region with a sufficient amount of clean water and seek medical attention immediately.

Specifications

Sensor Type		Suracell™ sensor (Fuel Cell sensor)
Battery		AA Size Alkaline Battery Or Rechargeable Battery 6EA
Weight		370g (Including batteries)
Size (mm)		276(Height) x 44.5(Width) x 44.5(Thickness)
Test result	LED Alert	Zero : Green / Low : Red / High : Blinking Red
	FND display	0.00/Lo/Hi or Numerical result (Display "HI" in Numerical result mode means more than 0.10% BAC)
	Buzzer alarm	Zero : 1 Beep sound Low : Repeating short Beep sound High : long Beep sound
Warming up time		Within 10 seconds
Time for analysis		Within 2 seconds (at 0.00 BAC)
Maximum test		12 times / 1 minute
Working temperature		-5°C ~ 50°C
Storage		-10°C ~ 60°C
Mouthpiece		Blow cap (Replaceable & washable passive cone type)
Auto power OFF		Adjustable 30 to 900 seconds
Duration time for display		Adjustable 1 to 9 seconds
Calibration period		Australian Standards Requirement: Every 6 months Manufacturer Recommendation: Every 5000 tests or every 12 months (whichever comes first)
Additional Function		Built-in Magnet
		Calibration reminder & Grace period
		Calibration protection by Web-server connecting
		Manual LED lighting: White, Red blinking, Red, Red & blue

Safety Information

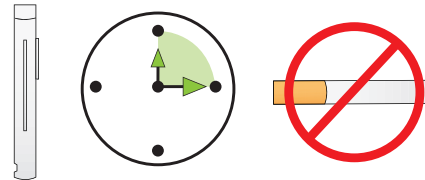
- Always use genuine Andatech parts and accessories. Using non-genuine parts and accessories for the device will not only risk providing inaccurate results, but may also damage the device.
- Calibrate and service the device hardware and software only with authorised Andatech service centres to avoid damage and voiding your product warranty.
- Wait at least 20 minutes after eating or drinking before testing. Alcohol remaining in the mouth, or even excess saliva, may interfere with testing. This includes alcohol-based mouthwash or similar products, which include any alcohol ingredient.
- Avoid testing in high wind or enclosed spaces. Poor ventilation may also lengthen the time required for warm up between tests.
- Do not blow smoke, saliva or other contaminants into the sampling hole, as the sensor may become damaged.
- Hold the device directly to the subject for accurate results. Other positions may not give you accurate results.
- Handle the device with care. Poor handling, physical impact, or electrical shock can cause premature device failures.
- Do not store the device in environments with extreme temperatures, direct sunlight, dirt and dust.
- Store the device beyond children's reach.
- Any service in regard to the device should be performed by authorized service partners only.

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 mouthpiece 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 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 1 year 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.

WARRANTY

The manufacturer warrants for 1 year 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® Sentry is calibrated every 6 months to maintain Australian Standards.

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

Andatech Pty Ltd
Hotline: 1300 800 200
Website: www.andatech.com.au

Andatech Guarantee

We take pride in the quality and integrity of our breathalysers, and it's important to us that you get the most out of using our products.

With this commitment in mind, we will extend the warranty of your Andatech Breathalyser for up to **5 years** from the original purchase date as long as you keep it calibrated every 6 months from the date of purchase.

Go to andatech.com.au/alcosense-guarantee for more information and for terms and conditions.



EASY WAY TO EXTEND YOUR WARRANTY

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.





Andatech Pty Ltd
www.andatech.com.au
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