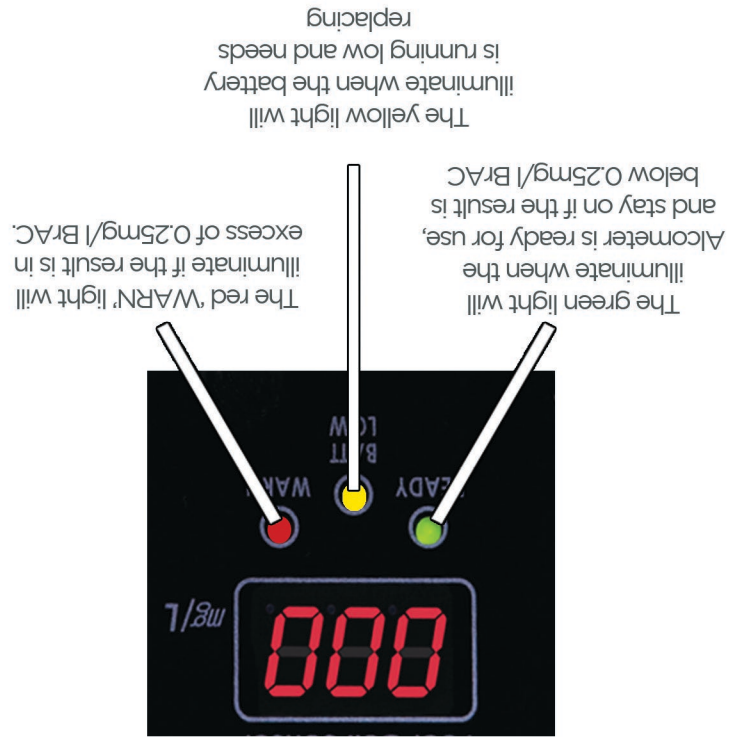


# Alcometer User Manual



## Reading the Display

## Features



## How to Operate

1. Insert a fresh mouthpiece into the instrument.
  2. Press the power button to turn on the Alcometer. While the fuel cell is preparing to test, the Alcometer starts a countdown which takes approximately 30 seconds.
  3. When you hear a beep and the text "bLo" is displayed, please blow steadily into the mouthpiece until you hear the beep sound again. Stop blowing. The Alcometer will turn itself off after 20 seconds if you do not blow.
  4. A circling line is displayed for 3 - 22 seconds while the Alcometer produces the result (mg/l BrAC). When the result is displayed, it will remain on the screen for 20 seconds.  
If the test result is over 0.25mg/l (default setting), the "WARN" light will illuminate, and the Alcometer will produce a beep.  
If you press the power switch when the Green or Red LED is off, the unit goes back to countdown stage for another test.
- If the Alcometer is not being used, after a couple of minutes it will show "OFF", beep and turn off automatically.
  - Separate any further testing by at least 2 minutes to maintain accuracy.

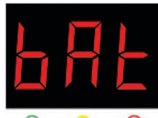
The Alcometer is a highly accurate fuel cell instrument designed to detect alcohol in breath.

We would advise you to study this manual before undertaking screening.

# Error and Warning Messages



The 'WARN' light illuminates when the result is considered high - greater than 0.25mg/l BrAC.



The "BAT" display shows when the Alcometer detects a voltage drop, due to a low battery. You should replace the battery (9v) before continuing testing.



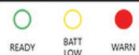
"Hot" is displayed when the result is above 2.00mg/l BrAC. This is usually due to remnants of neat alcohol being blown into the Alcometer.



The Alcometer monitors the quantity of breath sample during testing. If the quantity is insufficient, "FLO" will be displayed. Press the Power Button to reset and test again.



After 500 uses, the Alcometer will show "CAL" to indicate that the instrument requires recalibration. The calibration interval is 6 months, which often comes before 500 tests have been conducted.



The fuel cell sensor requires ambient temperature of 5°C - 40°C for accurate results. If the ambient temperature is beyond that range, "OUT" is displayed. We would recommend storage somewhere indoors out of direct sunlight for best results.

# Precautions

Do not test directly after drinking, smoking or eating. It takes approximately 20 minutes for alcohol to be absorbed into the blood from the digestive organs, and residual alcohol remaining in the mouth takes the same time to dissipate. Therefore it is recommended to wait for 20 minutes before conducting testing.

Avoid testing under strong wind or in a closed room with contaminated air.

Do not blow cigarette smoke, vapour or liquid into the instrument because this may damage the sensor.

Store the Alcometer in temperatures between 0 - 40 °C (32 - 104 °F). This device is designed to be used in a temperature range of 5 - 40 °C (41 - 104 °F). It is recommended that you store and use the unit within the above temperature range.

This instrument gives a non evidential result only, and should be treated as a preliminary result only.

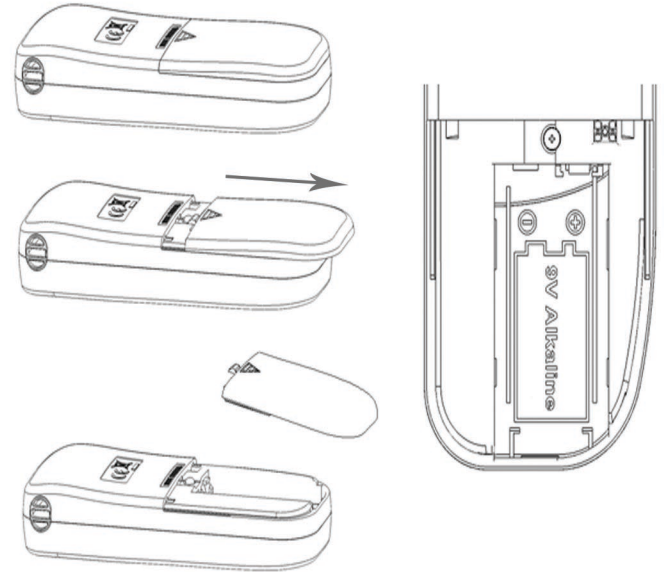
In normal use, the Alcometer requires a recalibration every 6 months or after 500 tests, whichever is sooner, to obtain accurate results. Please contact SureScreen to arrange a recalibration of the device.

An individual's testing result can continue to increase or decrease over time, depending on many factors. Obtaining a testing result reading at one time does not mean the testing result reading will be the same even a few minutes later.

# Replacing the Battery

The battery cover on the back of the Alcometer can be removed by applying slight pressure on the ridged arrow, and sliding open.

Remove the battery by gently prising it out, and replace whilst observing the polarity of the battery to ensure a correct fit.



# Specifications

Sensor	Fuel Cell Sensor
Accuracy	± 0.005% BAC at 0.050% BAC
Detection Range	0.00-2.00mg/l BrAC
Warm-up Time	15-35 seconds
Response Time	3-22 seconds
Dimension	125mm x 56mm x 24mm
Weight	87g (131g inc. battery)
Power	9V battery
Working Temperature	5°C-40°C
Storage Temperature	0°C-40°C
Calibration	Every 6 months, or after 500 uses
Warranty	1 year limited warranty

# Recalibration

The Alcometer requires recalibration after 6 months or 500 uses to make sure that the results of your Alcometer are accurate.

Simply send the Alcometer back to us with your details and purchase order number, and we'll get the machine back to you within 5 working days.

We also offer a fast track service for delivery back within 3 working days after receipt of the instrument.