ALCOFIND

Breath Alcohol Tester

Professional Fuel Cell Sensor
Personal & professional use alcohol tester

DA-8000
Instruction Manual

Professional
Fuel Cell Sensor

DA-8000

0.25
‰

START

MODE

- Fuel cell accuracy
- 4-digit LCD display with a backlit
- User adjustable blow time / Measuring unit / beep alarm
- Comes with a hard shell carrying case

ALCOFIND

Introduction

Thank you for your purchasing our product.
ALCOFIND DA-8000 is a breathalyzer with a fuel cell sensor.
It offers enhanced accuracy and it is easy to carry with you.
It is the entry-level unit for the professional use such as screening, clinic, military and many other industrial fields which require high-accuracy and high-reliability.

Contents

- Digtial Breathalyzer ALCOFIND DA-8000
- Two AA size Batteries
- 6 (six) Mouthpieces
- Hard shell Carrying Case
- User's Manual

Name of Each Part

Mouthpiece

Outlet

Display window

START
(Ready to test)

MODE

Product Specifications

Indication of B.A.C.	0.000 ~ 0.500%BAC
	0.00 ~ 5.00‰
	0.00 ~ 2.50mg/l
Accuracy	+/- 0.005%BAC at 0.1%BAC at 25 ℃
	+/- 0.05‰ at 1.0‰ at 25 ℃
	+/- 0.025mg/l at 0.50mg/l at 25 ℃
Warm up time	Within 15 seconds at 0.50g/l(‰)
	warm up time may vary depending on the BAC measured.
Sensor	Professional Fuel cell sensor
Power supply	Two AA size alkaline batteries
Battery Life	Approx. 1500 tests
Dimensions(WxHxD)	58mm x 123mm x 24mm
Weight	131g including batteries
Calibration	every 12 months or after 500 tests
Operating temperature	5 ~ 40 ℃

The specifications are subject to change without prior notice for functional improvements.

**CAUTION : Please do not blow hard, the sensor can be
damaged by a small amount of saliva.**

1. Initial Use

Press down the battery cover of the unit to open it and install
two AA size 1.5 V alkaline batteries paying attention to the battery polarity.
Close the battery cover and insert the mouthpiece to the slot.

2. How to test Breath Alcohol Concentration

a) Press the start button and the unit displays the total number of tests
performed for a second and then displays RLC。

b) Press the start button again and it automatically begins a countdown.

c) When the countdown reaches "0" (zero), then blow through the mouthpiece
for more than 4~5 seconds till there is a double deep sound.

d) Once the sensor has analyzed the breath sample, it displays the estimated
Blood Alcohol Concentration.

(When the unit operates normally)

Breath sampling   Breath Analyzing   Indication of
                                                test result

Error Messages

FLo   If the user does not blow a sufficient breath
       sample, the LCD will display "FLo".
       Press START to restart the countdown cycle and retest.

Out   If there is no breath sample blown within
       15 seconds, the LCD will display "OUT".
       Press START to restart the countdown cycle and retest.

`Out℃`	If the unit is powered on outside of the acceptable temperature range (5~45℃) the unit will display Out ℃ and the testing cannot be performed.
`BAt`	If the battery is empty, the LCD will display "BAt" Then install two new alkaline AA batteries.

3. How to adjust measuring unit

a) Press the start button and the unit displays the total number of tests performed for a second and then displays `ALCo`

b) Press and hold mode button for more than 5 seconds till the unit displays `Unit`.

c) By pressing the start button, you can adjust measuring unit.

4. How to adjust "beep"(audible warning)

a) Press the start button and the unit displays the total number of tests performed for a second and then displays `ALCo`

b) Press and hold the mode button for more than 5 seconds till the unit displays `Unit`.

   If you press the mode button again shortly, the unit displays `BEEp`.

c) By pressing the start button, you can adjust beep level.

5. How to adjust "blow time"

a) Press the start button and the unit displays the total number of tests performed for a second and then displays `ALCo`

b) Press and hold the mode button for more than 5 seconds till the unit displays `Unit`.

   Press mode button shortly till the unit displays `bL-t`.

c) By pressing the start button, you can adjust blow time.

6. How to adjust "flow detecting setting"

   a) Press the start button and the unit displays the total number of tests performed
      for a second and then displays   `ALCo`

   b) Press and hold the mode button for more than 5 seconds till the unit
      displays `Unit`

      Press mode button shortly till the unit displays `FL-d`

   c) You can adjust flow detecting setting by pressing start button.

   d) 3 kinds of settings are available - standard, user, low

Flow Detection Settings

Use this option to adjust how hard a user is required to blow.
Press Start to change the settings.

`8II8`   **Standard level flow detection**
        This is the default setting for the unit.

`USEr`   **User activated test mode**
        Press Start again to change to the USER activated test mode.
        When testing in this mode the operator must press Start to take
        a breath sample during blowing and to perform a test.

`88I8`   **Low level flow detection**
        Press Start again to change to the low level flow setting.
        This level requires a less forceful breath by the user.
        This setting is helpful for subjects with decreased lung capacity
        and can also be helpful if a user has received the FLo error result.

Warnings

· Wait at least 20 minutes after drinking alcohol to test blood alcohol concentration.
· For protection of the sensor, avoid direct ray of light, extreme temperature, humid place, keep the device in a well ventilated place and keep out of reach of children.
· When not used for a long time, keep the device after taking out the batteries.
  In case of reuse after long-term storage, there might be high tolerance of test result for about first 3 tests.
· We recommend you to replace the disposable mouthpiece for sanitary purpose.
· Do NOT use the device as a tool to drink and drive.   The manufacturer and seller will not take any legal responsibility for the measured test value.
· Shocking during the test might cause wrong test result.
· When the battery icon is flickering, then use new batteries for the precise test.
· In case the measured value is higher than 0.1%BAC and you try again without interval, then warm up time might be delayed.
· Test under loud noise would be the reason of malfunction.
  In this case, try again in a quiet place.
· If you perform testing at 10°C or below, the test result might not be accurate.
· In case some amount of moisture and/or saliva enters into the breathalyzer, it might cause malfunction of the device. In this case please wait at least 1~2 hours before using, until the moisture and/or saliva dried up.

Warranty Card

Product	**Digital Breathalyzer ALCOFIND DA-8000**		
Purchasing Date	(DD-MM-YY)	Seller	Shop name
			Owner name
Warranty Period	■ The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use either for 1(one) year from date of purchase. The manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit at manufacturer's option, if returned along with proof of purchase. ■ For any defects due to natural disaster or customer's negligence, misuse, reconstruction and repair by unauthorized person, reasonable cost shall be charged for repair or part replacement.		

Customer Service

For any question, after sales service, product calibration or purchasing mouthpiece, please get in contact with the nearest distributor in your country.

Distributor