

Remarks

- Allow at least 20 minutes between the last consumption of alcohol and testing.
- For more accurate test, it is recommended to recalibrate the sensor after use of every 3-6 months or 100-200 tests.
- For protection of the sensor, do NOT leave the product in the extreme environment.
- Keep away from the reach of children.
- When not used for a long time, store the product after taking out the batteries. In case of reuse after long-term storage, there can be high tolerance of test result for about first 3 tests.
- Do NOT leave the products together with newspapers or alcohol containing materials.
- Use the mouthpiece which is approved by manufacturer only.
- Do NOT use the product as a tool to drink and drive. The manufacturer and seller will not take any legal responsibility for the measured test value.
- Do NOT block the air hole opposite to the mouthpiece during the test, as it may damage the sensor.

Warranty Card

Product	ALCOSENS (Model:DA-5000)		
Purchasing Date	(DD-MM-YY)	Seller	Shop name Owner name
Warranty Period	<ul style="list-style-type: none"> ■ 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 or 300 breath tests whichever comes earlier. 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.

Manufacturer	Distributor
www.alcoholtest.kr	

Overview

Thanks for buying HDTC's ALCOSENS breathalyzer. ALCOSENS is a breathalyzer equipped with an advanced oxide semiconductor sensor and breath flow sensing to analyze a breath sample to detect alcohol in the lungs and convert the measured value into blood alcohol concentration (BAC).

Contents

- ALCOSENS DA5000 Breathalyzer
- AA Battery (x2)
- Mouthpiece (x6)
- Portable handy pocket
- User's manual

※ Name of Parts

- 1 Mouthpiece
- 2 Power Button
- 3 Ready
- 4 Warning Lamp
- 5 Display Window
- 6 Battery cover
- 7 Label
- 8 Outlet



ALCOSENS

DA-5000 Digital Breathalyzer

User's Manual

- Sensor module change type
- Self-diagnostic function
- Low battery and low breath flow display
- Display of test count
- Hand carry pocket included

CE RoHS

* Please read the user's manual carefully before use.

Product Type

Item	Specifications
Method of Measure	Breath sample to BAC
Range	0.00% to 0.40%
Accuracy	+/- 0.01% BAC at 0.1% BAC
Warm up	18 ~ 25seconds
Response time	Less than 5 seconds
Sensor	Oxide semiconductor.
Power	Two 1.5V AA alkaline batteries (included)
Display	3-digit LED
Size (mm)	59 × 116 × 27(mm)
Weight	105g
Testing Capacity	Approx. 200~300 with fresh batteries
Recalibration or sensor change	Recommended every 3~6 months or 100~200 tests

* The specifications are subject to be changed without prior notice for functional improvements.

How to Use

1. Initial Use

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

2. Ready to Test

- Press the power button, and the unit is turned on with a beep and displays the cumulated test count. [In case of Re-test, test count will not be displayed.]
- The unit will commence a start up process to automatically re-stabilize the alcohol sensor. The display window will undergo a countdown sequence from "180" to "000" for 18 seconds. [from "130" to "000" for 13 seconds in case of Re-test]
- Upon completion of countdown, the unit will display "0" with beep for twice and "READY" LED on. [Ready to Test]

3. Sampling and Analysis

- Blow softly to the mouthpiece with one deep breath for at least 4seconds, until you hear two short beeps after a long beep. Please be careful not to let the saliva inside the unit, as it may damage the sensor.
- When sampling is over, the unit displays "0" moving from left to right during its analysis.

4. Result Display

- After completion of analysis, the unit will display measured Blood Alcohol Concentration in three digits [0xx] for 15 seconds and shut off the power.
- If the power button is pressed within 2 minutes, the unit will start up in Re-test mode.

Alerts :

- "Flo" [Flow Error] : The breath sample was not steady enough. Please try sampling again with soft and steady breath.
- "Bat" [Battery Low] : The battery power is low. Please replace the batteries.
- "Cal" [Calibration] : The unit requires recalibration or maintenance. Please get in touch with the nearest service center.
- "Out" [Time Out] : If sampling is not performed in 10 seconds at Ready-to-Test mode, the unit displays "Out" and shuts down.

Step	How-to Use	Display	Description	Buzzer	Result	Remarks
Ready	Press the power button to turn on the power.	180	Display Cumulative Test Count	"Beep"	Start Countdown for Initialization	In case of low battery, the unit will not be turned on .
		180-000 Ready	Countdown from "250" to "000"	"Beep, Beep" after countdown	Ready-to-test	Countdown no. can differ with in 180~250
Sampling & Analysis	Blow the mouthpiece for 3 sec. for breath sampling	0 →	During analysis, "0" will move from left to right.	"Beep~~~ Beep, Beep"	If breath sampling was enough, the measured value will be displayed	If "Flo" displayed, it means the breath was not steady enough. Please retry.
		0 xx Blinking	Display the measured value	"Beep, Beep, Beep"	Display of measured value	Blinking for 10 sec. (not available for re-test)
Result Display		0 xx Stop Blinking	Display the test result without blinking waiting for Re-test	"Beep,Beep, Beep" in case of over 0.05%, shortly.	End of test	After test, the unit will shut off the power in 5 sec.
		Display the result for 5 seconds. If the switch is not pressed for re-test, the unit will automatically shut off the power.				
Re-test	Press the power button again for re-test	130-000	Countdown from "130" to "000"	"Beep, Beep" after countdown	Ready-to-test	Warm-up time for re-test will be automatically adjusted.(10~20 sec.)