





## Display message & Problem-solving guide

MESSAGE	WHAT IT MEANS	ACTION
	Full battery	None required.
	Empty battery : Warns when battery is low. The unit can be operated but recommended to change new batteries for correct result!	Replace new batteries.
BAT	If display "BAT", the unit can not be operated, change new batteries immediately.	Replace new batteries immediately.
FLo	If the sampling volume is too low or not sufficiently blow.	Press  button again to repeat the measurement.
Out	If there is no breath sample blown within 30 seconds, the LCD will display "OUT".	Press  button to restart the countdown cycle and retest.
Outt	If the unit is powered on outside of the acceptable temperature range(0~40°C or 32~104F) the unit will display it.	Repeat the test after the unit has reached a temperature within the operation range.

## Technical 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°C +/- 0.05 ‰ at 1.0‰ at 25°C +/- 0.025mg/l at 0.50mg/l at 25°C
Warm up time	Within 18 seconds at 0.05%BAC
Response time	Within 10 seconds at 0.05%BAC
Sensor	Fuel cell sensor
Power supply	2 (two) AAA size alkaline batteries
Battery Life	Approx. 1000 tests
Dimensions(HxWxD)	48mm x 115mm x 18mm
Weight	93g including batteries
Calibration	Every 12 months or after 500 tests
Operating temperature	0 ~ 40 °C

## Warranty

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 the date of purchase or 500 breath tests which ever 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 questions, after-sales service, product calibration or to purchase additional mouthpieces, please contact nearest distributor.

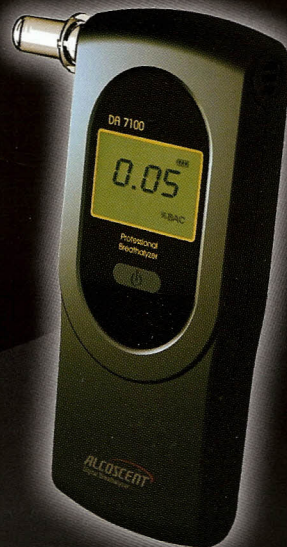
Manufacturer / Distributor :

**ALCOSCENT**  
Digital Breathalyzer

## Breath Alcohol Tester

Advanced fuel cell sensor

Personal & professional use alcohol tester



DA-7100

Instruction  
Manual

For your safety!

## Important safety information

- Before using the alcohol tester, read all instruction manual carefully and practice the test.
- Maintenance and calibration should be performed by experts.
- Test should be performed after 20 minutes after eating, drinking or smoking, if failure to wait 20 minutes may result in invalid results or incorrect results.
- Residual alcohol in the mouth can distort the measurement.
- Aromatic drinks, mouth sprays containing alcohol can interfere with measurements. In this case, wait for 20 minutes or rinsing the mouth with pure water.
- Do not permit to blow cigarette smoke into the tester which may damage the sensor.
- Do not drink and drive, even small amount of alcohol can result in driving impairment.
- Recommended to use calibration service every 12 months or after 500 times tests.
- Do not use this device as a tool to determine "drink and drive".  
The manufacturer and the sellers will not take any legal responsibility for the test results.
- When not used for a long time, keep the device after taking out the batteries. In case of testing after long-term storage, there might be high tolerance of test results for the first 3 tests.
- Replace the batteries when the battery indicator icon reaches empty for the accuracy reason.
- Test result is 0.1%BAC or higher and you try again without any term, then warm up time might be delayed.
- Perform a test within the operating temperature, which is specified in the instruction manual.

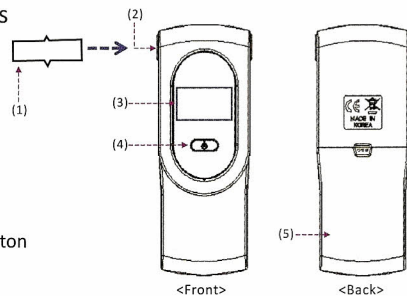
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## Introduction

Thank you for purchasing our breathalyzer, DA-7100 which is a personal & professional use alcohol tester with extremely high-reliability. It can be used for hospitals, schools, and many other segments. It measures estimate B.A.C(Blood Alcohol Content) in human breath by means of a fuel cell sensor which is high durable sensors and providing accurate breath alcohol results.

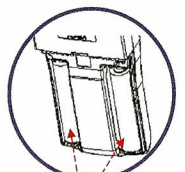
### Name of each parts

1. Mouthpiece
2. Mouthpiece In
3. Display
4. Power & Start button
5. Battery cover



## Preparation

Install two AAA batteries in the battery compartment by paying attention to the battery polarity.



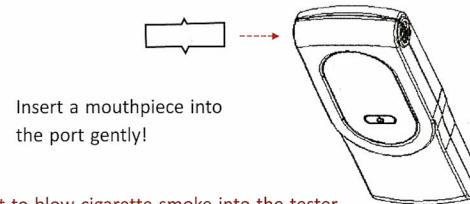
2 x AAA batteries (1.5V Alkaline)



Gently pull the cover down

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
Insert a mouthpiece into the port on the side of the alcohol tester. Ensure whether it is securely fit or not. A new mouthpieces is to be used for every person tested.



Do not permit to blow cigarette smoke into the tester.

## Performing the measurement

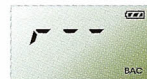


Press the power button 

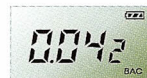
The total number of test performed will be displayed briefly and start countdown.



When the countdown reaches zero with a double beep sound, three dashes (  $\equiv$  ) will be displayed and "START" will flash. Take a deep breath and blow the mouthpiece for five seconds until there is a double beep sound.



When the sampling was successful, LCD outer lines will be turning along the edge of LCD as you can see the picture.



After a few seconds (depending on the alcohol level), the estimated BAC (Blood Alcohol Concentration) will be displayed. The value will flash for several seconds. If you want to test again, press the start button to restart the countdown cycle.

The tester automatically will be turned off after 15~20 seconds.

Wait at least 20 minutes after eating, drinking or smoking before measurement.

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