Display message & Trouble shooting guide

MESSAGE	WHAT IT MEANS	ACTION
	Full battery capacity	Full battery
	Empty battery capacity: Warns when battery is empty. The unit can be operated but recommended to install new batteries for correct result.	Replace with new batteries.
BAt	If the LCD displays "BAt", the unit cannot operate.	Replace with new batteries immediately.
FLo	When the sampling volume or blow power is not enough to test.	Press power button again to repeat the measurement.
Out	If there is no breath sample blown within 30 seconds, the LCD will display "Out".	Press power button to restart the count-down cycle and retest.
Out[	When the operating temperature shown in the specification is not within proper range.	Repeat the test after the unit has reached a temperature within the operation range.
Err2	If the unit displays 'Err2' after Step 4, it means the excessive saliva went into the sensor during the test.	Calibration service is needed for proper oper-ration if "Err2" message is displayed for long time.
500	The total number of tests has reached 500 times.	Contact your seller for proper calibraion service.

*The periodic calibration service with every 12 months is highly recommended for maintaining accurate result.

For AF-30C, AF-33C, and AF-35C, selected model with an additional "Calibration reminder"

MESSAGE	WHAT IT MEANS	ACTION
CAL	If the unit displays 'CAL' after countdown, it means the tester has been used over 365 days from its last calibration	Contact your seller for proper calibraion service.
d365	Remaining days to recalibration. e.g. d365 means 365 days left to the next calibration.	
d001	The elapsed day from the required recalibration date, which is a reminder to do the recalibration. e.g. d.001 means 1 day elapsed from the required recalibration date.	Contact your seller for proper calibraion service.

Technical specification

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 15 seconds at 0.50g/l(‰) Warm up time may vary depending on the BAC measured.
Sensor type	Fuel cell
Power supply	Two AAA size alkaline batteries
Battery life	Approx. 1000 tests
Dimensions(WxHxD)	47mm x 108mm x 17mm
Weight	85g including batteries
Calibration	Every 12 months or after 500 tests
Operating temperature	5 ~ 40˚C

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

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 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 questions, after-sales service, product calib-ration or to purchase additional mouthpieces, please kindly contact the nearest distributor or seller.

Distributor:

ALCOFIND

www.alcofind.com

Part No. 8030301010

Made in Korea

ALCOFIND

Instruction manual

AF-30, AF-33, AF-35
AF-30C, AF-33C, AF-35C

- 10 test memories
- 4-digit LCD display
- Automatic power off
- Calibration reminder (AF-30C, AF-33C, AF-35C)
- Fuel Cell Sensor
- Low battery warning
- Total test number display

CE RoHS Please read the user's manual carefully before use.

Important safety information

- Before using the alcohol tester, read all instruction manual carefully and perform the test.
- Recommended to use calibration service every 12 months or after 500 times tests by experts. The use without periodic calibration service may result in invalid result.
- Test should be performed after 30 minutes after eating, drinking or smoking.
  Failure to wait 30 minutes may result in invalid results or incorrect results.
- Residual alcohol in the mouth can distort the mea-surement.
- Do not immerse in water.
- Aromatic drinks or mouth sprays containing alcohol can interfere with measurements. In this case, wait for 30 minutes or rinse the mouth with pure water.
- Do not permit to blow cigarette smoke into the tester which may damage the sensor.
- Don't do drinking drive and even small amount of alcohol may cause impairment in normal driving operation.
- 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 test.

- Replace the batteries when the battery indicator icon reaches empty for the accuracy reason.
- In case the test result is higher than 0.1%BAC (1.0 g/l) and you try again without interval, then the warm up time might be delayed.
- Perform a test within the operating temperature, which is specified in the instruction manual.
- Blowing hard may cause damage to sensor as saliva flows into sensor.
- Do not store the device in the place where the temperature and humidity is high.
- It shoud be kept out of reach of children under 12 years of age.

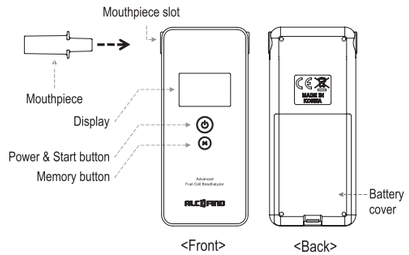
Introduction

Thank you for purchasing our breathalyzer, which is a personal and professional use alcohol tester with extremely high-reliability. It can be used in the hospital, school and many other industrial fields. It measures estimated B.A.C (Blood Alcohol Content) in human breath by means of a fuel cell sensor which is highly durable and providing accurate breath alcohol results.

Contents

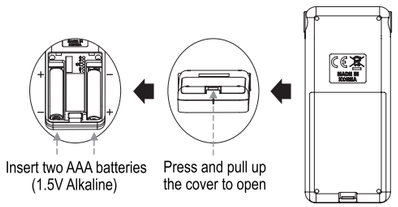
- Digital Breathalyzer
- Two AAA size batteries
- 6 pieces of mouthpiece
- Carrying case
- Instruction manual

Name of each part



Preparation

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



Insert a mouthpiece into the slot on the side of the alcohol tester.

Ensure whether it securely fits or not.
Extra mouthpieces should be used for other person's testing for sanitary reasons.

Performing the measurement



Step 1: Press [⏻] power button. The total number of tests performed will be displayed.



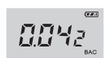
Step 2: The countdown will be started automatically, and begin to inhale a deep breath when the countdown approaches 2.



Step 3: When the countdown reaches zero with a double beep sound, three dashes [- - -] will be displayed and "START" will flash. Blow through the mouthpiece for five seconds until there is a double beep sound.



Step 4: When the sampling is successful, LCD outer lines will be turning along the edge of LCD as you can see from the picture.



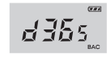
Step 5: The estimated BAC(Blood Alcohol Concentration)will be displayed after a few seconds (depending on the alcohol level), and the readings will flash for several seconds.

If you want to test again, press [⏻] power button to restart the countdown cycle.

- The tester will be turned off automatically after Step 5 in 15~20 seconds.
- The forced power off will be available in Step 2 and Step 3. Press and hold [⏻] power button for 2~3 seconds to turn off the tester.

Wait at least 30 minutes after eating, drinking or smoking before measurement.

For AF-30C, AF-33C, and AF-35C, selected model with an additional "Calibration reminder"



The remaining recalibration date will be displayed after Step 1.
The Blue LED on both side of corner will flash with the message of "CAL" on the screen when the countdown reaches 0 day.

Memory mode

*The tester will recall up to 10 test results.

To enter the memory mode, press [Ⓜ] memory button during the countdown (Step 2).
The most recent test result will appear first. The next test results will be displayed sequentially by pressing [Ⓜ] memory button. The tester will recall up to 10 test results. If the memory is full, the oldest test result will be deleted automatically.

For AF-30C, AF-33C, and AF-35C, selected model with an additional "Calibration reminder"

To enter the memory mode, press [Ⓜ] memory button during the countdown (Step 2). The most recent test result will appear with measurement time - the measurement time will be shown first in three display methods below, and then the test result will appear right after measurement time.

*The display method of measurement time;

1) Measured time up to 600 minutes ago will be shown as "-elapsed time".
   For example) Measured 1 minute ago -> -001
   Measured 23 minutes ago -> -023
   Measured 523 minutes ago -> -523
2) Measured time from 601 minutes ago to 1 day will be shown as "d000".
   For example) Measured between 601 minutes ago and 24 hours ago -> d000
3) Measured time from 1 day ago to 999 days ago will be shown as "d+ elapsed days".
   For example) Measured 1 days ago -> d001
   Measured 23 days ago -> d023
   Measured 523 days ago -> d523

The next test result with measurement time will be shown sequentially by pressing [Ⓜ] memory button. The tester will recall up to 10 test results with measurement time. If the memory is full, the oldest test result including measurement time will be deleted automatically.