

Alcohol Breath Tester

Operational Manual

Modell: AlcoReal AT575



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Introduction

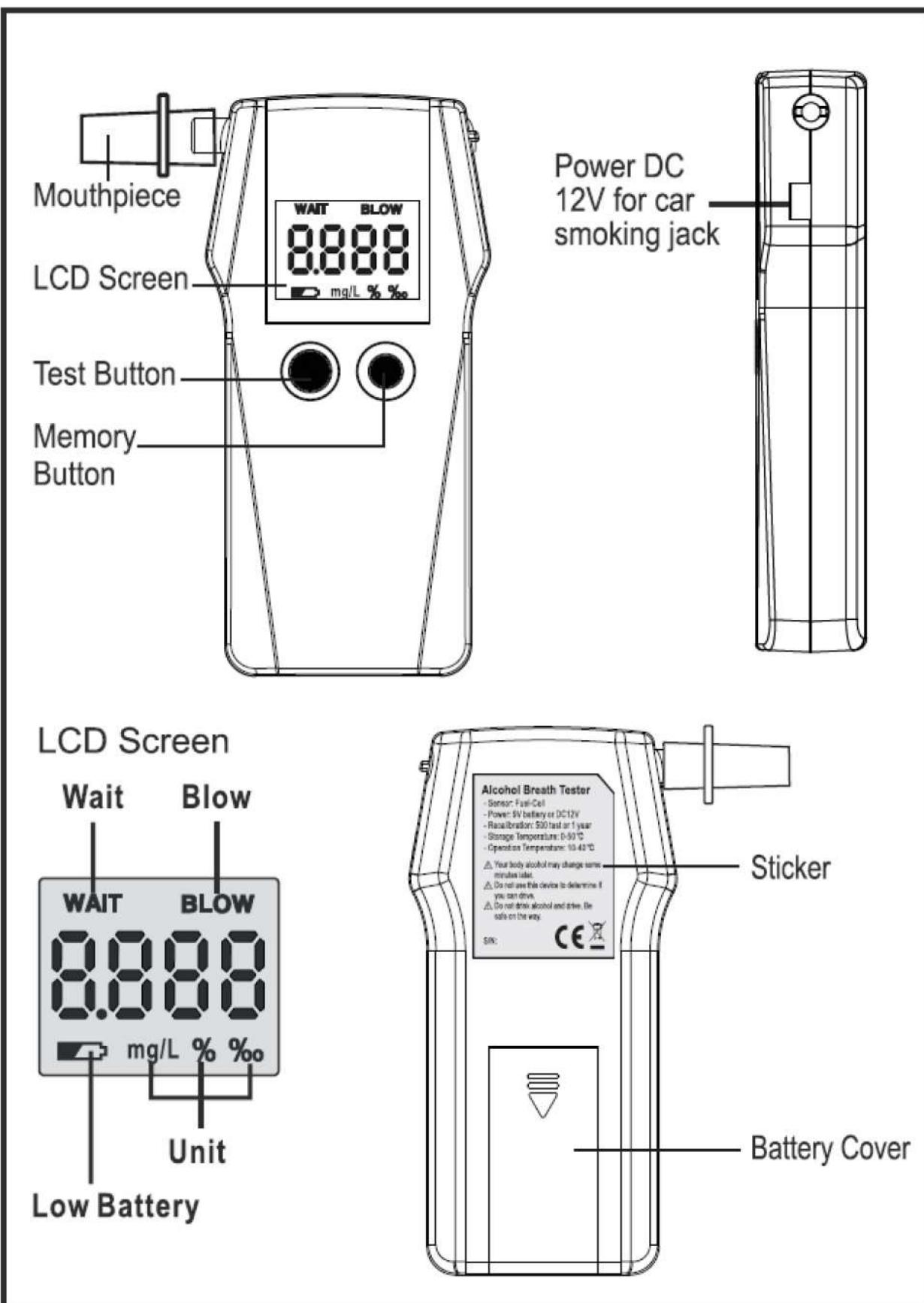
The device is intended to measure alcohol in the human breath. Measurements obtained by this device are used in the diagnosis of alcohol intoxication.

The accuracy of this device has been established at a Blood Alcohol Concentration of 0.80‰, 0.50‰ and 0.20‰. This device designs and produces in according to European standard EN16280:2012.

Preparation for Correct Measurement

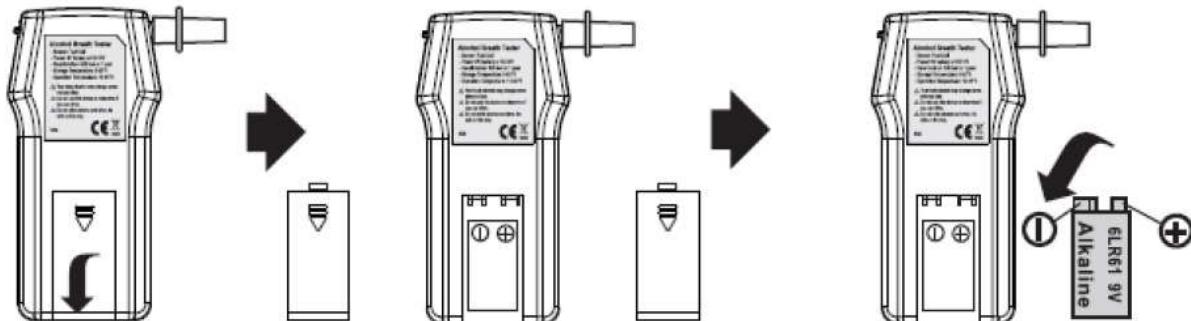
- Before testing, wait at least 15 minutes after your last drinking.
- Only use the device in a temperature 10°C ~ 40°C.

Description of parts



Power Supply

- Slide back the battery cover on the back of the device.
- Insert 1 piece 9V battery, making sure that the “+/-“symbols are correctly.



- If the power is too low, the unit may display a battery symbol “” and the device may not use correctly. You need to change a new battery.
- The device can also be operated from DC12V input.

Operation

(Test mode)

- Insert the mouthpieces into the blowing tube.
- Press and hold the TEST button until power on (about 2 seconds). And release it after power on.



- LCD countdown for reminding the calibration date. The front red LED will bright if countdown to 0 day with indicating “d000”.



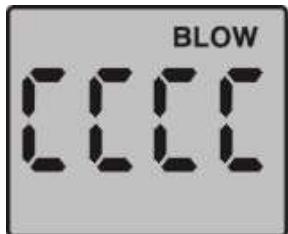
- The LCD indicates the test counter, which indicates the number of tested.
***** The breathalyzer will be prohibited to use if count to 1200 tests. *****)



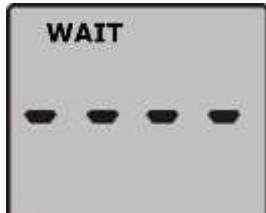
- The WAIT indicates on the screen and countdown for cleaning the sensor. (Do not blow during this test stage to avoid incorrect operation or failure blow.)



- The BLOW and “CCCC” display on the screen for waiting to blow. There are 3 minutes in this waiting stage. Take a deep breath, blowing steady into the mouthpiece until beeping stops (about 4~6 seconds).



- The device displays “WAIT” and “----” on the screen, which is calibrating the alcohol concentration.



- Your test result will be displayed on the screen for 20 seconds.

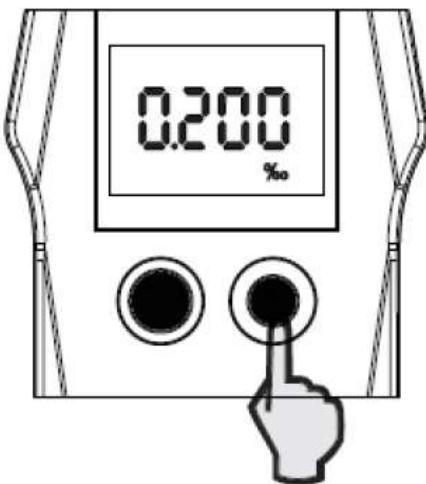


- It will show error when incorrect blowing. Refer to the chapter of the “Errors and Troubles” in detail. The device will be turned off after indicated error.



(Memory mode)

- After tested, the device displays for 20 seconds. You press the memory button to check your last 10 tested records.



- The device will be turn off after displaying 20 seconds.
- The memory button is only used at this mode.

Accessories

- Mouthpiece
- Carry bag
- Manual
- Battery (option)

Errors or Troubles

Error message or Troubles	Description	Remarks
No display	-Press and hold the TEST button until power on -Check the power of battery -Battery is terminated if inserted DC jack	
Auto Off	-Low battery -Over the period of test stage	
Err (error)	-Blowing unsteady or interrupt -Blowing less 6 seconds -Blowing flow too weak -No blow during BLOW mode. -Change temperature suddenly	
	-Low battery indication -Need to change new battery -Use alkaline battery only	
Alarm sound	-Blowing mode -Error message indication -Above alcohol set point -Above tested times	
HI	-The blood alcohol content above the display range. -Display range: 0.000~3.000% BAC (1.50mg/L)	
LED Reminder	-Countdown to 0 day after power on -Remind for recalibration -Indicate on the front top and right corner	

Specifications

- European Fuel Cell Sensor
- Blowing time: about 4~6 seconds
- Blowing flow: at least 0.15 l/s
- Blowing volume: at least 1.2L
- Display range: 0.000 ~ 1.500% BAC(1.50mg/L)
- Show "HI" if above the display range
- Accuracy: +/-0.05% BAC at 0.50% BAC
- Memory: recall last 10 records
- 5 hygiene mouthpieces included
- Warm up time: 6 seconds
- Blow waiting time: 3 minutes
- Repeat test is less than 60 seconds if below 0.50%(0.25mg/L)
- Audible sound alarm with red backlight if above alcohol limit

- 4 digits display with status and backlight
- Power supply: 9V battery or DC 12V
- Battery for standard testing is about 800 times
- Low battery indication with auto power-off function
- Operating temperature: 10°C ~ 40°C
- Storage temperature: 0°C ~ 50°C
- Product dimension: 140x70x30mm
- Blowing flow and interrupt detection
- Recalibration interval with remind:12 months or 1.200 tested times
- The breathalyzer will be prohibited to use if achieved 1.200 tests.

Calibration and Record

- You should have your alcohol tester calibrated every 12 months or 1200 tested times. Failure to do so may cause your readings to be inaccurate.

Calibration Record			
Date First Used		Serial Number	
#	Calibration Date	Remarks	Recalibration by

Precautions

- Before testing, wait at least 15 minutes after your last drinking.
- Your blood alcohol content (BAC) may change some minutes later.
- You should have your alcohol tester calibrated every 12 months or 1200 tested times. Failure to do so may cause your readings to be inaccurate.
- Do not use this device to determine if you can drive.
- You cannot use the test results of device in court of law.
- You cannot use the test result of device against police's unit.

Distribution / Importer

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Important Notes on the Battery Ordinance

Batteries and rechargeable batteries must not be disposed of with household waste. You are legally obligated to return used batteries and rechargeable batteries. You can return the batteries after use either send them back to us after use or dispose of them in the immediate vicinity (e.g. in shops or at municipal collection points) free of charge. Batteries and rechargeable batteries are marked with a and the chemical symbol of the pollutant, namely "Cd" for cadmium, namely "Cd" for cadmium, "Hg" for mercury and "Pb" for lead.

