

Professional alcohol tester AA 2010p

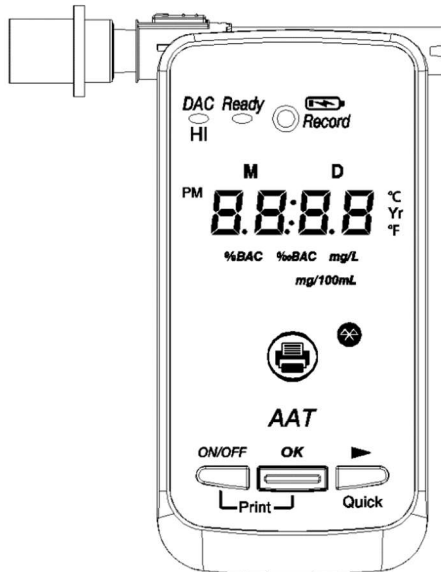


TABLE OF CONTENT








Description.....	2
LED indicator	2
Conditions for Tested Person.....	3
Use.....	3
Systems Settings & Calibration.....	6
Important Notes.....	7
Specifications.....	7
Precautions.....	8
Liability for proper function or damage.....	8
Maintenance.....	8
How often should I re-calibrate the machine	8

Description

Hand-held breathalyzer AAT2010p, a fuel cell alcohol tester using the stable and reliable measuring technology based on the electrochemical reaction between platinum and ethanol molecules.



LED Indicators:-

-  White light lit when enter into Digit Alcohol Coumputer mode
-  Red light flashes 20 times when over the alert limit
-  Red light flashes 4 times if result close the alert limit (Pre-alert)
-  Red light lit when charging
-  Green light lit when entering into the Record mode.
-  Lit when ready to take sample, “test” will also flash on the 4 8-segment LED array
-  Blue tooth indicator, turn on when BT printer connected

Conditions for Testing

To begin, rinse out your mouth with water or non-alcoholic drinks before using the unit. Abstain from smoking (for 10 minutes) or drinking (for at least 15 minutes.) Actually, residues of alcohol in the mouth will affect the measured values. This may also occur after aromatic drinks (e.g. fruit juices), alcoholic mouthwashes or mouth sprays, medicines and drugs, as well as burping and vomiting. Breathe evenly and normally before the test.

USE

Read the User instructions carefully before use.

1. Inserting the Batteries

- ① Open the batter cover on the back of the machine.
- ② Insert a Li-ion rechargeable battery (10400) into the battery compartment.

2. How to use

Rinse your mouth with water before using. Avoid smoking or drinking alcohol for at least 20 minutes before using. For a more reliable result, you should always take 2 measurements one after the other. If two successive test results have a difference bigger than 0.005%BAC, please test again.

3. Power ON/OFF

Press and hold the ON/OFF key for 2 sec and can turn ON/OFF the machine

4 Real Time Clock (RTC)

When turn on the machine, the machine will go to the real time clock mode (RTC) and the display will show the actual time. In RTC mode, Press the 【▶】 key to scroll Month & Date, Year and Temperature.

5. Formal Test

Press OK key and enter into the Digit alcohol Computer mode, white “DAC” indicator will lit.

When DAC on and “ALCO” shown on the display, press OK key can start the formal test, the tester will do the initialization and cleaning together with count down shown on display

- 10- -09- -08- -01- -00-



When Ready indicator turn on and **E5E** flashes on the display. Please Blow continuously through the mouthpiece for about 6 seconds, the display will show animation while blowing.

3 33 333 3333

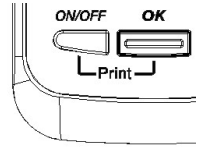
It will then take the breath sample automatically and a click sound will be heard when the sample is being taken successfully. Then, **Ready** will flashes, animation scrolling. The tester is analyzing the breath sample automatically. Stop blowing while the analysis is carried out and the reading will be shown within seconds.

Pre alert (if the reading is within 0.05%BAC under the preset alert level)
“HI” indicator will flash slowly if the reading close to the preset alert level
Alert (if the reading is over the preset alert level)
“HI” indicator will flash at high frequency with a fast alarm sound

If user do not continuous blow continuously for 5 second, the flow monitoring system will detect it will show Err immediately. However, User can press [OK] once and override the flow monitoring. Just blow for 5 second and take breath sample. We call this Passive test.

5. Print

Please turn on the BT printer and the BT logo will turn to blue color. At DAC mode, when the reading Press Print keys together [ON/OFF + OK] for 1 second and active wireless print function.



6. Quick Screening Test

When DAC on and “ALCO” shown on the display, [press Quick] key can start the quick screening test, screening animation will display as follows

0--- -0-- --0- ---0 0--- -0-- --0- ---0

Blow in the blow cup for 1 sec and take the breath sample immediately, or press [Quick] key once to do the passive test.



Test Record

When DAC on and “ALCO” shown on the display, Press & hold the 【▶】 key for 1 sec., it will go into the Record mode, ● indicator change to green color and enter into the memory recall mode.

Press the 【▶】 to select the desired number of record. There is 100 records and display show -22- means the 22th reading. Press [OK] to see the 22th reading.

SETTING

At RTC mode, Press and hold **【ON/OFF】** & **【▶】** key together for 2 sec. can enter into setting mode. There are three setting mode. RTC, default unit and alert level setting

Press **【▶】** key to select three different mode



rtc; Press [OK] key; enter into **12/24** hour setting; **Hour & Min** setting; **Date & Year** setting;

Press **【▶】** to change value of selected setting field

Unit: Press **【▶】** to change 4 different unit
press and hold the [OK] key for 2 second to confirm the selected unit with beep tone.

bAC: Press **【▶】** to enter into alert level setting mode.
Press [OK] to select 5 different alert level
b-1 (0.1%BAC) **b-2 (0.2%BAC)** **b-3 (0.3%BAC)**
b-5 (0.5%BAC) **b-8 (0.8%BAC)**
press and hold the [OK] key for 2 second to confirm the selected alert level with beep tone.

Systems Settings & Calibration

Already preset before at factory

Caution: the Systems Settings & Calibration will affect the reading of the machine and only our authorized service center can alter the setting.

convention setting

mg/L against %BAC convention setting option: 2.0; 2.1; 2.2 and 2.3 .

Calibration

The calibration is already been done before shipping. Only AAT authorized technician is allowed to modify the calibration data.

Important Notes

- When unused the machine for a long time or at a low temperature, the machine will take longer warm up time.
- Automatic turn off if left unused within 3 minutes.
- Avoid extreme heat or long term sun exposure.
- If the difference between two successive readings is $>0.01\%$ (0.1%), user should test again.
- During the breath sampling, do **NOT** block the outlet.

Specifications

- Sensor: Fuel cell Sensor
- Display Range: 0.00~400.0mg/100ml or 0.00~4.00‰BAC or 0.00~0.400‰BAC or 0.00 ~2.00mg/L
(‰ and mg/L convection factor is 2.0)
- Power Input: 1 *3.7V AAA rechargeable battery. (10400)
- Display: Digital LED display
- Dimension: 125 x 62 x 18 mm.
- Weight: 80g.
- Operating temperature: 5°C~65°C, for optimum operation
- Agency Approval: CE
- Accessories: 4pcs mouthpieces.

Precautions

- Your blood alcohol content (BAC) may change within minutes
- Do not use this device to determine if you can drive or not.
- You cannot use the test results in Court.
- Store according to specifications. Avoid long term sun exposure and humidity.

DO not drink and drive

- Handle with care, as a fragile item.

Liability for proper function or damage

Never unscrew the AA 2010p. **Warranty not valid** if any screws had being loosened or warranty label had being broken. Serviced or repaired by personnel not employed by AAT Service centre or authorized by AAT or if the instrument is used in a manner not conforming to its intended use.

Maintenance

Repair/maintenance of the AA 2010p should only be carried out by trained technician from authorized AAT professional breath alcohol tester Service Center.

Only authentic AAT spare parts can be used for maintenance.

Specification subjects to change without notice.

How often should I re-calibrate the AAT

The AAT tester can remain accurate for 1 year of use. The more frequent the use, the more the unit will need to be calibrated. According to D/N31051, we recommend recalibration every 12 months (or earlier) basis to ensure maximum accuracy.

Please contact the Authorized service center or reseller.

NB* It is important to observe the recommended 20 minute pause without consuming any alcohol, cigarettes or anything else before testing. Failure to do this can shorten the life of the sensor. In such cases, the sensor can be permanently damaged or may need more frequent calibration. This user manual should be read carefully for information on caring for the unit sensor.

User can have a fast sensor that to see whether the sensor is in good condition. (Please refer section 2.5)

Many factors (e.g. environment gas residue, smoke & various smell in human mouth, etc...) may affect the BAC level, so the readings are For Reference Only. Neither the reseller nor manufacturer accepts any liability arising from the use of the unit. Don't drink before you drive!

Made in China.