AT8060

BREATH ALCOHOL TESTER

USING MANUAL

Ver: HW121121146

Catalogue

1 Brief introduction

AT8060 is an advanced portable breath alcohol tester, its core component adopts new high-tech electrochemical sensor which can get more accurate alcohol concentration value, with strong anti-interference ability. The admirable human-device interface makes operation more concise and convenient, the color LCD makes interface more clear and beautiful. Moreover, the one-off anti-return mouthpiece design ensures the health and safety of users.

2 Main Technical Features

- ➢ Advanced 16 bit low power consumption MCU
- ➢ Electrochemical sensor, good reliability and accuracy
- ➢ LCD indication
- ➢ Simple button operation
- ➢ Low pressure and testing rejection function
- ➢ Measurement unit and alarming level adjustable function
- ➢ Testing record review function
- ➢ Passive testing available
- ➢ Short warm-up time, fast response and resume
- ➢ Adopt anti-return mouthpiece for health and safety
- ➢ Power saved design

Main technical data

Sensor type: Electrochemical (Fuel cell) sensor

Detection Range: 0.000~2.000mg/l

(0.40%B.A.C, 4.0‰B.A.C, 4.0g/l)

Alarm level: 0.250 mg/L (could be modified)

Resolution: 0.01mg/L

Display: 1.8 inch LCD screen

Work conditions: temperature: 10℃~40℃

humidity: ＜95%RH （No Dews）

Storage conditions: 0℃~50℃

Battery: 2×AA 1.5V batteries

Dimension l×b×h: 122×68×30mm
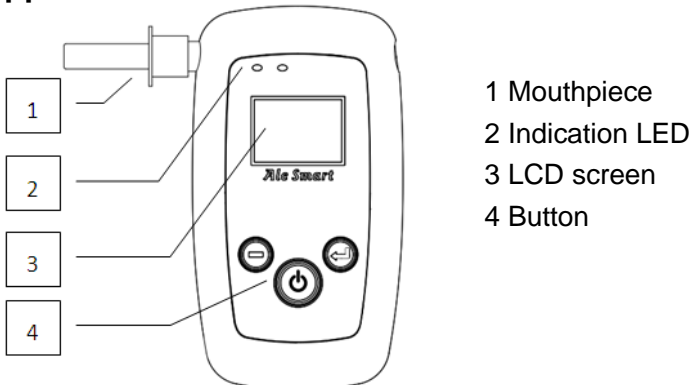
Weight：about 100g（excluding battery）

Sensor life: 2 years

Table 1   Allowable error

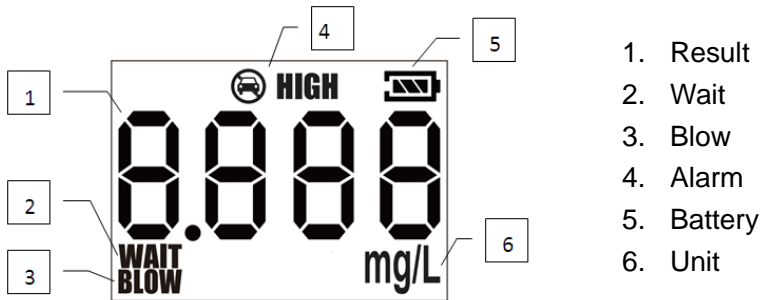| Alcohol concentration range C/(mg/L)	Accuracy
C＜0.400	±0.050 mg/L
0.400≤C＜1.000	±20%
C≥1.000	±30%

Table 1 the allowable error in the process of detecting

3 Configuration

3.1 Appearance

1 Mouthpiece
2 Indication LED
3 LCD screen
4 Button

3.2 Display

1. Result
2. Wait
3. Blow
4. Alarm
5. Battery
6. Unit

4 Operation

4.1 Turn on and make testing

1） Take off the battery cover, install 2pcs AA 1.5V batteries correctly.

2） Install the mouthpiece according to the directions shown in Pic 1.

3） Press ⏻ button to turn on, together with a brief buzzer sound, backup LCD will be on, meantime the screen will show already tested times. Then it will have 10 seconds counting down for warming up, and show "WAIT". Please do not blow during warming up, otherwise it will have error in accuracy.

4） When the screen shows " L "and"BLOW"icon, please have a deep breath, then blow to mouthpiece continuously and equally, during blowing process, green LED will flash, stop blowing till heard a "pa" sound from tester. After a few seconds, the screen will show the result.

Remark: during testing process, if the blowing flowrate is too small or blowing interruption, the screen will show "Err0"

alarming reminder, in this conditions, please have a new blow and test.

5） If the testing result is lower than the preset alarming level, the indication LED is green, the screen will show the actual value;

If the testing result reach or exceed the preset level, the indication LED is red, meantime the buzzer will send out rapid alarming sound, the screen will show "HIGH".

6） In the testing result indication interface, press ⌨ button to take next test.

If long time no operation, the tester will turn off the backup light or turn off the tester automatically.

4.2　Check the history records

At any conditions, press ⊖ to check the history record, the first record will be the latest result. This tester could keep 10 records at most.

4.3 Turn Off

At any conditions, press ⏻ to turn off the tester.

The default alarming level is 0.250mg/L

In other units it's 55mg/100mL; 0.050%BAC; 0.500‰BAC; 0.500g/L.

<u>Notification</u>

- ➢ Please read the manual carefully and follow the instruction before the operation.
- ➢ To ensure the validity of the testing result, please wait 15 min to take the testing after drinking.
- ➢ The calibration of the tester should be no longer than 6 months for ensuring the accuracy of tester.
- ➢ Please do not blow smoke to the tester directly, otherwise the tester will be damaged.
- ➢ After storing for long time, the first several testing results may be not so accurate, pls test for several times then get the correct result.
- ➢ Avoid using the tester when environmental temperature exceeds its specified range.
- ➢ Any application or fault beyond this manual, please contact with manufacturer or dealer for solutions.