

USER MANUAL

ALCOHOL TESTER

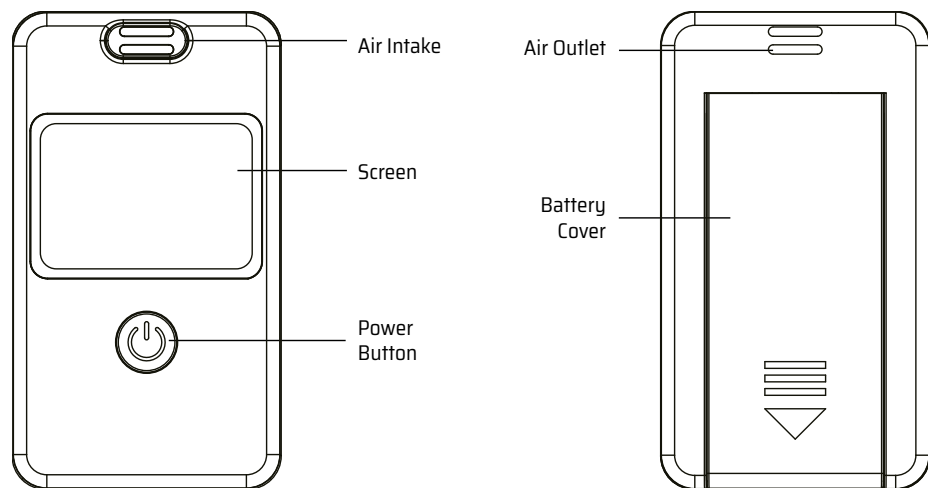
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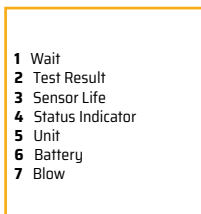
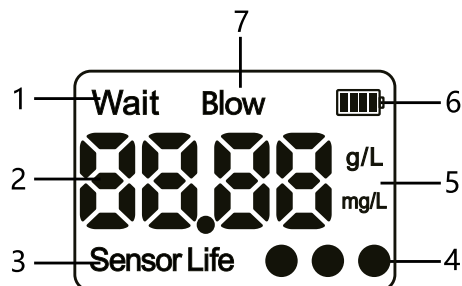


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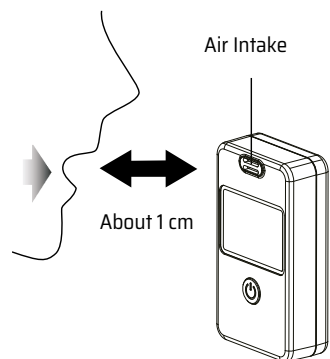
PRODUCT INTRODUCTION



SCREEN INTRODUCTION



HOW TO USE?



1. Open the battery cover and install 2 pcs of „AAA“ battery.
2. Press Power Button to turn on the device.
3. When Blow displayed on the screen, blow to the air intake immediately.
Note: the test status lasts only 3s. Please complete the blowing within 6s.
4. The distance from air intake about 1 cm.

DETAILED STEPS

1. Power ON:

Press power button to power.

The device beeps once, and the screen displays the interface of „tested times“ (Fig.1-3).

Tested times is between 0 and 499, the green Indicator lights up.

Tested times is between 500 and 999, the orange Indicator lights up.

Tested times is between 1000 and 1500, the red Indicator lights up.

After 3s, the screen will enter the „Wait“ interface.

Note: If the test has never been successful, „test times“ is 0; The product has been 100% inspected before sales, so „test times“ is not 0 for first use.

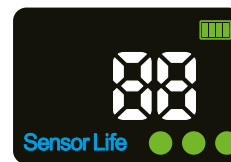


Fig.1

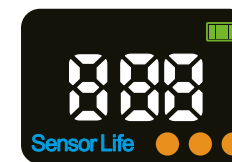


Fig.2

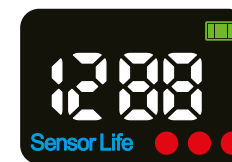


Fig.3

2. Wait:

The device enters the Wait State, the screen displays „Wait“ and „10-second countdown“ (Fig.5).

The countdown ends and the device will enter the Test State.

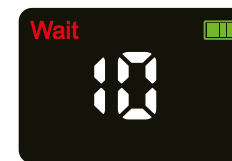


Fig.5

3. Test:

After a beep, the device enters the test state and shows a „Blow“ symbol. Please complete the blowing within 6 seconds. When the device detects gas, the „Blow“ symbol disappears and the test result will be displayed after the „4 second countdown“.

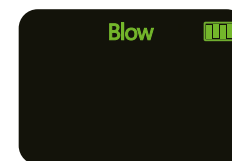


Fig.6

When the test value is 0.00mg/L: After a beep, the test value and the green indicator lights up (Fig. 7). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.8)



Fig.7



Fig.8

When the test value is 0.00 ... 0.30mg/L: After a beep, the test value and the green indicator lights up (Fig. 9). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.10)



Fig.9



Fig.10

When the test value is 0.30 ... 0.50mg/L: After 3 beeps, the test value and the orange indicator lights up (Fig. 11). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.12).

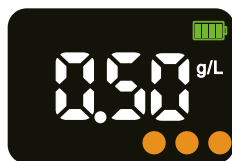


Fig.11



Fig.12

When the test value is 0.50 ... 1.00mg/L: After 6 beeps, the test value and the red indicator lights up (Fig. 13). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.14)



Fig.13



Fig.14

When the test value is greater than 1.00mg/L: After 6 beeps, the test value and the red indicator lights up (Fig. 15). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.16)

Note: no matter what the actual test result is, the test value is uniformly displayed as 1.00mg/L.



Fig.15

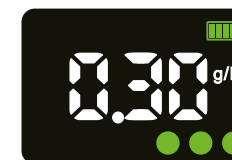


Fig.16

Press „power button“ to switch the unit between g/L and mg/L.



mg/L



g/L



If the device does not detect alcohol gas, and the test result shows “ERR” (Fig.17). The screen displays „OFF“ after 6s, and shuts down after 1.5 seconds. (Fig.18)



Fig.17



Fig.18

Record Mode: After the test, the data will be saved automatically, the device can save 50 sets of data (Fig.19-20). Press and hold „Power“ button for 2 seconds to enter the record mode and press „Power“ button to check the recording. If there is no operation for 10 seconds, device will exit record mode. Press and hold „Power“ button for 2 seconds to exit, too. After exiting, the screen displays OFF and shut down after 1.5s.

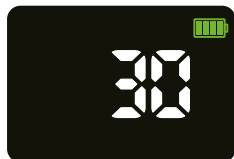


Fig.19



Fig.20



Fig.21

When the number of tests reached 1500: The service life of the built-in sensor is 1500 times. After 1500 times, if want more tests, the screen will continuously display „Sensor Life„ for 4 seconds (Fig.22). Then the screen displays „OFF“ and shuts down after 1.5 seconds(Fig.23).

Caution: 1. This product has reached the service life of the sensor and can not be used.

2. Due to improper storage and use of the device, the device may be used less than 1500 time!

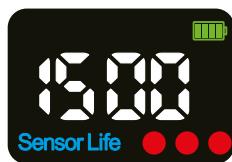


Fig.22



Fig.23

Low Battery: When the battery is low, the battery symbol starts to flash (Fig.24). Please change the battery in time.

Power OFF: The device beeps three times, and the screen continuously displays „Lo“ for 4 seconds (Fig.25). Then the screen displays „OFF“ and shuts down after 1.5 seconds (Fig.26).



Fig.24



Fig.25



Fig.26

Attention: Test values may be inaccurate in the following cases

1. In view of the global or regional latitude and longitude, it is affected by the temperature and humidity of the environment.
2. The device detects alcohol molecules present in the air.
3. There is still residual alcohol gas at the air inlet of the device.
4. Serious odor disturbances in places where consumers place equipment (including but not limited to wine cellars, basements, pickle processing places, etc.).
5. When there is a high concentration of interfering gas, the test results may be wrong.
6. Please do not directly wipe the device with chemicals or corrosive solution, to avoid the liquid directly flowing into the sensor, causing damage to the sensor.
7. Repairing or disassembling the machine without authorization may cause device failure. The manufacturer and seller are not responsible for any damages caused.

Q&A

Malfunction	Possible Cause of Malfunction	Solution
Doesn't turn on	- Low battery - Device is broken - Battery polarity reversed	- Please charge the battery - Contact after service -Reinstall the battery correctly
Test value shows ERR after drinking	- Not fully warmed up - No blowing within 6 seconds - Insufficient blowing volume or blowing time - The air intake is blocked	- Warm up the device several times - Blowing within 6 seconds - Clean the air intake and blow again for more than 3 seconds
Get result without blowing	There is residual gas in the equipment, or other sensitive substances left at the equipment inlet, such as saliva	Put the device in the vent to exhaust the residual gas
Test exception	Test immediately after drinking	Test again 20 minutes after drinking

PRODUCT PARAMETERS

Product Name Alcohol Tester	Testing Frequency 1500 Times	Display Accuracy 0.10 g/L
Data Storage 50 groups	Product Size 71x40x19 mm	Storage Environment 0 ... 40 °C
Measurement Accuracy 0.10 g/L	Product Color Black	Detection Value Range 0.00 ... 1.00 g/L
Operating Environment 5 ... 35 °C	Power Supply 2 x AAA Battery	Product Weight 26 g

STATEMENT

1. Please do detect after 20 minutes of drinking, because it takes about 20 minutes for alcohol to be absorbed from the digestive system into the blood. If tested immediately after drinking, the results can only reflect the alcohol concentration in the mouth at that time, not the alcohol concentration in the blood.
2. If the detection value is not less than 0.03 g/L, in order to ensure the accuracy of the detection result, please conduct the next detection after an interval of more than 3 minutes.
3. When blowing, please keep blowing for more than 3 seconds to keep the airflow stable and uninterrupted.
4. Different individuals are affected by factors such as gender, race, age and physical status, and the content of alcohol dehydrogenase in the human body is different, the absorption capacity of alcohol is different, and the detection results are different.
5. Do not blow saliva, residue or smoke in the mouth into the gas inlet of the device, otherwise residues will be placed in the gas inlet and affect the detection results.
6. The final confirmation of drunk driving by the traffic police team is based on the blood alcohol content in the blood detect in the hospital. The device is only for auxiliary reference.
7. Neither the manufacturer nor the seller is responsible for any violation of the law, whether or not the device is used. (Including but not limited to drunk driving)

Alcohol Concentration Alignment Table						
S/N	BAC Blood Alcohol Concentration				BrAC Breath Alcohol Concentration	
	mg/100ml	%	‰	g/l	mg/l	Common ppm
1	10	0.01	0.1	0.1	0.05	25
2	20	0.02	0.2	0.2	0.10	50
3	30	0.03	0.3	0.3	0.15	75
4	40	0.04	0.4	0.4	0.20	100
5	50	0.05	0.5	0.5	0.25	125
6	60	0.06	0.6	0.6	0.30	150
7	70	0.07	0.7	0.7	0.35	175
8	80	0.08	0.8	0.8	0.40	200
9	90	0.09	0.9	0.9	0.45	225
10	100	0.10	1.0	1.0	0.50	250
11	110	0.11	1.1	1.1	0.55	275
12	120	0.12	1.2	1.2	0.60	300
13	130	0.13	1.3	1.3	0.65	325
14	140	0.14	1.4	1.4	0.70	350
15	150	0.15	1.5	1.5	0.75	375
16	160	0.16	1.6	1.6	0.80	400
17	170	0.17	1.7	1.7	0.85	425
18	180	0.18	1.8	1.8	0.90	450
19	190	0.19	1.9	1.9	0.95	475
20	200	0.20	2.0	2.0	1.00	500
...	...	...	...	...	...	...
40	400	0.40	4.0	4.0	2.00	1000

Commonly used units in various countries:

mg/100ml -- China %BAC -- USA g/l -- Europe mg/BrAC -- Japan

CONTACT

If you have any questions, suggestions or technical problems, please do not hesitate to contact us. You will find the relevant contact information at the end of this user manual.

DISPOSAL

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.



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