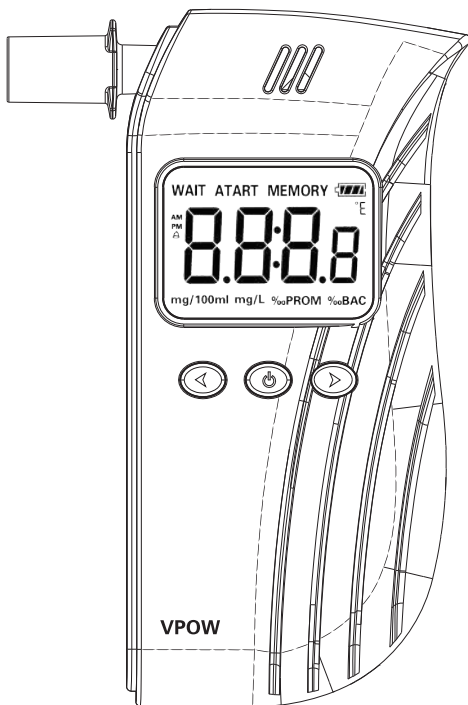


VPOW BREATHALYZER

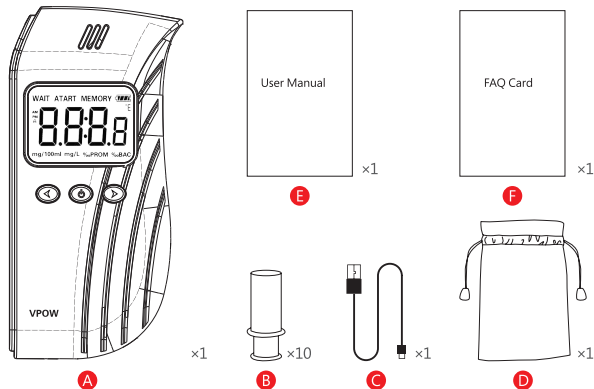


User Manual

Statement:

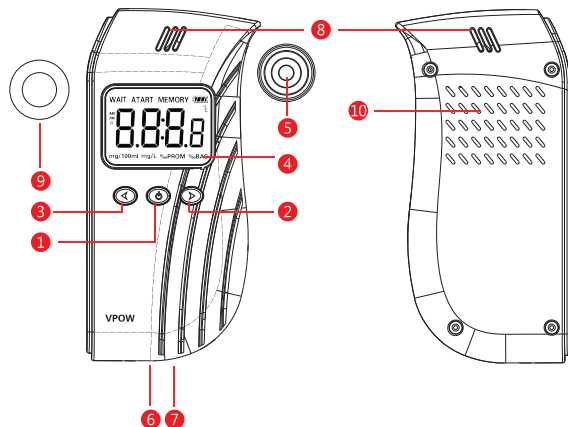
Due to physical difference of every person, the alcohol testing varies from person to person, so the testing results of this product is only for reference, and the manufacturer and seller are not responsible for any behaviors that break the law.

Packing list



- | | | | |
|---------------------------------|-----|----------------------|----|
| A Alcohol Breathalyzer | x1 | D Cloth Bag | x1 |
| B Replaceable Mouthpiece | x10 | E User Manual | x1 |
| C USB Charging Cable | x1 | F FAQ Card | x1 |

Product Structure



- | | |
|-----------------------------|--------------------------------------|
| 1 Power Button | 6 Charging Indicator Light |
| 2 Right Button | 7 USB Charging Port |
| 3 Left Button | 8 Ventilation Hole |
| 4 LCD Display Screen | 9 Collapsible Mouthpiece Hole |
| 5 Air Outlet | 10 Alarm |




How to Use the Alcohol Breathalyzer?

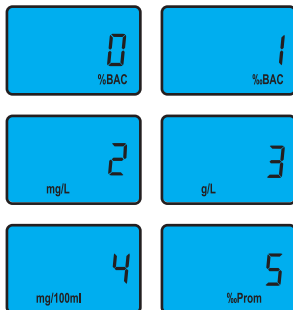
Note

1. This product is preset, so you can use it directly according to step3. If you want to switch the testing unit, you can refer to the chart at the end of the user manual. Default Setting: Unit: %BAC (America Unit), Warning Value (A value to trigger warning alarm): 0.02%BAC, Danger Value (A value to trigger danger alarm): 0.05%BAC2.

2.If you want to set appropriate unit and alarm triggering value (Warning/Danger Value) according to the local standards, please refer to instructions of step 1 and step 2.

1. Unit Settings






- Long press power button for 2 sec to power on. The upper left of screen will display "WAIT" and will count down 15 seconds. During the 15s countdown, press left button  to enter into the mode of unit settings.
- In the mode of unit settings, press left button  to turn page forward or right button  to turn page backward, then select the unit you want (%BAC, %oBAC, mg/L, g/L, mg/100ml, %oPROM).
- After selecting the given unit, press power button to complete the setting and exit from the mode.



2. Alarm Triggering Value (Warning/Danger Value) Settings

The users can customize the warning and danger value according to local standards of drunk driving.

There are 3 prompts as shown below

- Safe:** Indicate safe state
 - Warning:** Indicate warning state before danger. The alarm will make a sound like "di di, di di, di di".
 - Danger:** Indicate drunk driving. The alarm will make an urgent sound like "di di di di di...", and the sound will last 10 seconds.
- Turn on the product, and the upper left of screen will display "WAIT" and will count down 15 seconds. Press right button  to enter into setting mode of alarm triggering value (Default to enter into warning value setting first).
 - In the interface of setting warning value
Press left button  to increase warning value and press right button  to decrease it. Press power button to save the setting and enter into the mode of danger value setting.
 - After entering into the setting mode the danger triggering value, as above, press left button  to increase value and press right button  to decrease it. Long press power button to save the setting of triggering value and exit from the unit setting mode, and it will get back to alcohol testing mode automatically.

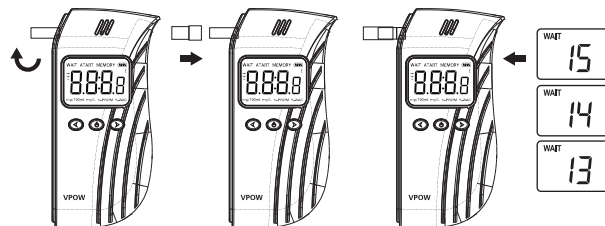


Default Value of Triggering Alarm

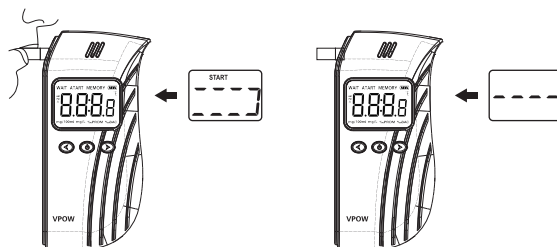
	BAC(Blood Alcohol Concentration)					BrAC (Breath Alcohol Concentration)
	%BAC	%oBAC	%oPROM	g/L	mg/100L	mg/L
safe	0-0.02	0-0.2	0-0.2	0-0.2	0-20	0-0.1
warning	0.02-0.05	0.2-0.5	0.2-0.5	0.2-0.5	20-50	0.1-0.25
danger	≥0.05	≥0.5	≥0.5	≥0.5	≥50	≥0.25

3. Alcohol Testing

- Long press power button for 2 seconds, and the product will turn on after a "di" sound.
- At this moment, the screen will display "WAIT" with 15 seconds countdown, which means the product goes into the preheating mode. The preheating will be completed after the countdown ends.



- After preheating, the screen will display "START" to prompt user to blow. Make the blowing test within 10s after the START prompt showed on screen (Blowing in one breath for 4-5s).



4. Wait for the product to analyse the testing result after blowing, and read the results from the LCD screen.

- A. The screen will show green color if the testing value is lower than warning value, and the alarm will make a "di" sound to indicate safety.
- B. The screen will show yellow color if the testing value is between the warning value and the danger value, and the alarm will make sound as "di di" with interval of each sound for 1 sec.
- C. The screen will show red color if the testing value is higher than danger value, and the alarm will make sound as "di di di..." for 10 sec.





Note:

In order to get the most accurate testing results, it's suggested to test for 3 times and take the average value from 3 tests as a reference. Please note that the interval time of each test should be kept in 2-3 min, because the machine needs some time to volatilize the residual gas inside it, otherwise it will cause the inaccurate testing readings.

Restart Mode

- 1. After you finish the first test and get the result, press power button to restart the alcohol breathalyzer. The product will enter into preheating state automatically after restart, and you can make next test after the preheating.
- 2. For more accurate testing readings, it's suggested to keep the interval time of each test for more than 3 min.

Memory Mode

- A. After power on, the screen will display "WAIT" and will count down 15 seconds. Press power button to enter into memory mode, in which the breathalyzer can display at least 32 testing records that tested before.
- B. Press left button  to check previous testing records forward.
- C. Press right button  to check previous testing records backward.
- D. Press power button to exit from the memory mode.

Automatic Power Off

- 1. If there is no further operation 15 sec later after the testing result showed on screen, the product will turn off automatically after the OFF icon flash 2 times on screen with 2 times alarming sound.
- 2. The product will turn off automatically if it fails in preheating step.
- 3. Long press power button for 2 sec to power off.

Low Battery Indication

If the power icon on upper right of the screen shows low battery, or there is "Lo" icon flashing on the screen after you turned on the product, it indicates that the batteries of the product are running out and need to be charged.

Charging Indication

When the product can't be turned on or its batteries are running low, please charge it with an included USB cable and a 5V adapter (Adapter is not included). The indicator light will show red color in charging, and the color will turn to green after the product is fully charged.

Note: For using more safely, the product will power off automatically after you plug the USB charging cable.

Voltage Protection

This alcohol breathalyzer can be charged with any 5V adapters, but it will enter into auto-protection mode if it's charged by any nonstandard adapter, and in this case the indicator light won't light up in charging, and the light will function normally after you change the standard 5V adapter to charge the product.

Specifications

1. Basic Specifications

Charging Voltage: 5V	Weight: 126g
Battery Capacity: Lithium Battery 1000mAh	Preheating Time: < 15s
Working Current: \approx 140-190mA	Blowing Time: 3-5s
Continue Testing Times: 800~1000 times	Response Time: < 5s
Working Temperature: 0°C ~45°C	Sensor: High-precision semiconductor
Charging Time: 3h	Size: 133x 64 x 24mm

2. Performance Specifications

Testing Range:

0~0.199%BAC (Deviation±0.01%BAC)

0~1.99‰BAC (Deviation±0.1‰BAC)

0~1.99g/L (Deviation±0.1g/L)

0~0.995mg/L (Deviation±0.05mg/L)

0~199mg/100ML (Deviation±10mg/100mL)

0~1.99‰Prom (Deviation±0.1‰Prom)

3. Unit Meaning

BAC: Blood Alcohol Concentration (The percent of alcohol in a person's blood stream)

% BAC ----- How many grams of alcohol are present in 100ml of blood

‰ BAC ----- How many grams of alcohol are present in 1000ml of blood

g/L ----- How many grams of alcohol are present in one litre of blood

mg/100ml -----How many milligrams of alcohol are present in 100ml of blood

BrAC: Breathe Alcohol Concentration (The percent of alcohol in a person's breath)

mg/l ----- How many milligrams of alcohol are present in one litre of blood

4. Comparison Chart of Alcohol Concentration

% BAC —— America

g/L —— Europe

mg/LBrAC —— Japan

mg/100ML —— China

Check this chart according to your testing results, so as to get the units that conform to local standards.

BAC(Blood Alcohol Concentration)					BrAC(Breath Alcohol Concentration)	
%BAC	‰BAC	‰Prom	g/L	mg/100L	mg/L	PPM
0.01	0.1	0.1	0.1	10	0.05	25
0.02	0.2	0.2	0.2	20	0.10	50
0.03	0.3	0.3	0.3	30	0.15	75
0.04	0.4	0.4	0.4	40	0.20	100
0.05	0.5	0.5	0.5	50	0.25	125
0.06	0.6	0.6	0.6	60	0.30	150
0.07	0.7	0.7	0.7	70	0.35	175

0.08	0.8	0.8	0.8	80	0.40	200
0.09	0.9	0.9	0.9	90	0.45	225
0.10	1.0	1.0	1.0	100	0.50	250
0.11	1.1	1.1	1.1	110	0.55	275
0.12	1.2	1.2	1.2	120	0.60	300
0.13	1.3	1.3	1.3	130	0.65	325
0.14	1.4	1.4	1.4	140	0.70	350
0.15	1.5	1.5	1.5	150	0.75	375
0.16	1.6	1.6	1.6	160	0.80	400
0.17	1.7	1.7	1.7	170	0.85	425
0.18	1.8	1.8	1.8	180	0.90	450
0.19	1.9	1.9	1.9	190	0.95	475
0.20	2.0	2.0	2.0	200	1.00	500

Note

- 1. If the deviations of 2 successive readings are both larger than 0.01%BAC or 0.1‰BAC or 0.05mg/L, you need to make the test again.
- 2. Do not block the side air outlet when you're blowing.
- 3. There will be deviation between the testing value and true value if the battery of the product is running low. It's suggested to use the product when it's fully charged.
- 4. The testing data can not be used as evidence in court.
- 5. Do not indulge in excessive drinking.

Warning

Since the product includes batteries, please pay attention to following matters when you use the product.

- 1. The applicable temperature to use the product is 0°C -45°C
- 2. For better performance and longer battery life, please avoid using the product at too high/low temperature or in static environment, such as in hot weather or a sun-baking car, beside the fire, on surface of any hot items, in cold environment, etc.
- 3. Do not clean the product with any chemical detergents.
- 4. Please use the standard 5 V adapter to charge the product.
- 5. Do not personally reconstruct, repair or disassemble the product to avoid damage.
- 6. Do not use this product to decide whether you can drive or do some dangerous things.