

# Alcohol checker

Model number: G1  
Instruction Manual/Warranty



First of all, thank you so much for purchasing the breathalyzer. Please read this manual carefully and use it correctly. In addition, please keep this product safe for immediate use when necessary.

## Please read it carefully before use

1. The product can not judge whether it is drunk driving, etc.
2. Judgments are general symptoms and criteria. Even with the same alcohol concentration, depending on the body condition and personal differences, the degree of intoxication will vary.
3. Regardless of whether a breathalyzer is used or not, the relevant personnel of the manufacturer and sales dealers shall not be liable for drunk driving and legally prohibited behavior.
4. It takes about 20 minutes for alcohol to be absorbed into the bloodstream from the digestive system, so it is recommended to be measured after 20 minutes of drinking. If measured immediately after drinking, the measurement results can reflect the alcohol concentration of the alcohol. Not the blood alcohol level.
5. In order to obtain more accurate measurement results, the interval between secondary measurements must be greater than 3 minutes.
6. Never break down or wash. Keep in a place with less scent.
7. There is a certain error between the measured result and the actual value when measuring at low power.
8. Keep it out of direct sunlight and do not bump or vibrate excessively. Stay away from heating devices.

## General Introduction

G1 breath alcohol tester is kind of tester designed to measure concentration result of the breathed alcohol in the human body. This device adopts advanced flat surfaced alcohol sensor which has excellent sensitivity and reproducibility, fashionable and portable design make it more convenient for personal use. When the alcohol content exceeds the preset limited level, this device would send an audio and video warning to remind your safety.

## Product specification

Product name	Alcohol tester
Product accessories	Instruction manual (with warranty)
Electric current	100mA
Configure battery	Lithium battery(200AH)
Voltage	5V1A
Service temperature range	-5°C~45°C
Storage temperature range	-20°C~50°C
Detection mode	Semiconductor gas sensor
Measurement range of breath alcohol concentration	0-0.20%BAC
Measuring object	Alcohol concentration on breath
Sensor replacement	Must not
Product size	60mm × 33mm × 18.1mm
Product weight	20g
Warranty date	1 year

## Product introduction



1	Air intake
2	Pilot lamp
3	Sound outlet
4	Charging IO port
5	Battery indicator
6	LCD Screen
7	Switch on and off

## Usage method

### Function definition

1. When using it for the first time, please fully charge it before use.
2. Press the power button.
3. "Preheat" 1~10 seconds, boot into the preheat countdown 10 seconds, please wait for the preheat time.
4. After the preheating is completed, it automatically enters the blow detection countdown for 10 seconds. Wait for test results to be displayed.
5. Set display unit: Within 5 seconds of completing operation 2.3.4, short press twice to switch to the next measurement display unit (such as % BAC - US g/l - European mg/l BrAC - Japanese mg/100ml China).

### Look out

The first time the breathalyzer is taken out of the package, or when it is not used for a long time, a large amount of gas and other impurities can attach to the sensor. In this case, you need to press the power button several times to clean the breathalyzer by preheating it.

### Charging

When charging, the red light comes on. After being fully charged, the red light goes out and the green light comes on.

### Measure Measuring method: preheat


1. Press and hold the power button for 2 seconds, and after the voice prompt "power on", the tester display screen will start.
2. The voice prompt "please wait" and "preheating" numbers are displayed, and the screen countdown starts at 10 seconds. The countdown is 0, and the preheating is completed.

### Test

1. After the "preheating" is completed, enter the "blowing" state. When the "please blow" display screen shows a 10 second countdown, please blow air from the front to the blowing

port for more than 3 seconds at a distance of 2-3 centimeters from the blowing port before stopping blowing (do not touch or include blowing in the mouth). Wait a few seconds, display and voice broadcast the measurement results. (If no air is blown, the display result is 0)

2. Measurement results:

 Green light  
Understandard state

- ① When the measurement is < 20mg/100ml, the green light is on.
- ② When the measurement is < 0.030%BAC, the green light is on.
- ③ When the measurement is < 0.15mg/l, the green light is on.

 Yellow light  
Drinking state

Drinking drive:

- ① Refers to the driving behavior of vehicle drivers with blood alcohol content  $\geq 20\text{mg}/100\text{ml}$  and blood alcohol content  $< 80\text{mg}/100\text{ml}$ .
- ② Refers to the driving behavior of a vehicle driver with a blood alcohol content of  $\geq 0.030\% \text{BAC}$  and a blood alcohol content of  $< 0.080\% \text{BAC}$ .
- ③ Refers to the driving behavior of vehicle drivers with blood alcohol content  $\geq 0.15\text{mg}/\text{l}$  and blood alcohol content  $< 0.25\text{mg}/\text{l}$ .

Yellow light, alarm sound;

 Red light  
drunkenness

Drunk driving:

- ① Refers to the driving behavior of a vehicle driver with a blood alcohol content  $\geq 80\text{mg}/100\text{ml}$ .
- ② Refers to the driving behavior of a vehicle driver with a blood alcohol content  $\geq 0.080\% \text{BAC}$ .
- ③ Refers to the driving behavior of a vehicle driver with a blood alcohol content  $> 0.25\text{mg}/\text{l}$ . The red light went on and the alarm sounded rapidly.

Notification

- 1. When using for the first time, please load the battery first.
- 2. If you receive the product for the first time and have not used it for a long time, you need to clean the sensor. The steps are as follows:

- ① Press the power button
- ② Wait without blowing
- ③ Automatic power disconnect cleaning end (repeat the above step 3 times)
- 3. If not used for a long time, please place it out of direct sunlight and away from strong electromagnetic radiation.

Unit of measurement

\*Units commonly used in various countries

mg/100ml—China      %BAC—America  
g/l—Europe          mg/l BAC—Japan

\*0.05% BAC means that every 100ml of blood contains 0.05g (50mg) of alcohol.

	BAC Alcohol concentration in blood at night				BrAC Expiratory alcohol concentration	
	mg/100ml	%	‰	g/l	mg/l	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

When the battery voltage is lower than 3.3V, the display screen of the tester displays the "OFF" character, low power alarm, reminding the user to replace the battery in time.

### If you think there is a malfunction?!

Before requesting replacement or return, please conduct the following checks:

#### 1. Determined as strong

- ① Is there a strong odor on the alcohol sensor? Press the power button and blow more than 3 times to clean the sensor.
- ② Are measurements taken in areas with odors? Please change the location for further measurement.
- ③ Have you measured it just after eating? Please measure after 20 minutes of eating.

#### 2. Determined as weakened

- ① Did you not blow hard? Please blow out the correct gas.
- ② Is it too far from the blowing inlet to blow? Please blow in the correct position.
- ③ Is it measured in a windy area? Please change the location for further measurement.

#### 3. Uncertain judgment

- ① Is it measured in a windy area? Please change the location for further measurement.
- ② Are measurements taken in areas with odors? Please change the location for further measurement.

#### 4. I didn't drink alcohol, but it was determined that I did

- ① Is there any accumulation of alcohol odor inside the alcohol sensor and blowing inlet? Press the power button and blow

more than 3 times to clean the sensor. The fermentation gas generated in the body may react with the sensor.

#### 5. Pressing the power button does not display anything

- ① Check if the battery is low? Or replace and confirm the fully charged battery.

**Manufacturer:** Shenzhen Meirui Shangpin Technology Co., LTD

**Address:**  
509 Honghua Zhigu, No. 26, Longhe Garden, Dalang Gaofeng, Longhua District, Shenzhen

**After-sales phone:**

**Warning:** For safety reasons, do not use this product under the condition of falling, high temperature or short circuit. Do not throw this product into the fire. Keep this product out of reach of children.



## Measure Measuring method:

### preheat

1. Press and hold the power button for 2 seconds, and after the voice prompt "power on", the tester display screen will start.
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### Test:

1. After the "preheating" is completed, enter the "blowing" state. When the "please blow" display screen shows a 10 second countdown, please blow air from the front to the blowing port for more than 3 seconds at a distance of 2-3 centimeters from the blowing port before stopping blowing (do not touch or include blowing in the mouth). Wait a few seconds, display and voice broadcast the measurement results. (If no air is blown, the display result is 0)
2. Measurement results:



Green light  
Understandard state

- ① When the measurement is  $<20\text{mg}/100\text{ml}$ , the green light is on.
- ② When the measurement is  $<0.030\%$  BAC, the green light is on.
- ③ When the measurement is  $<0.15\text{mg}/\text{l}$ , the green light is on.



Yellow light  
Drinking state

Drinking drive: ① Refers to the driving behavior of vehicle drivers with blood alcohol content  $\geq 220\text{mg}/100\text{ml}$  and blood alcohol content  $<80\text{mg}/100\text{ml}$ . ② Refers to the driving behavior of a vehicle driver with a blood alcohol content of  $\geq 0.030\%$  BAC and a blood alcohol content of  $<0.080\%$  BAC. ③ Refers to the driving behavior of vehicle drivers with blood alcohol content  $\geq 0.15\text{mg}/\text{l}$  and blood alcohol content  $<0.25\text{mg}/\text{l}$ . Yellow light, alarm sound;



Red light  
drunkenness

Drunk driving: ① Refers to the driving behavior of a vehicle driver with a blood alcohol content  $\geq 280\text{mg}/100\text{ml}$ . ② Refers to the driving behavior of a vehicle driver with a blood alcohol content  $\geq 0.080\%$  BAC. ③ Refers to the driving behavior of a vehicle driver with a blood alcohol content  $>0.25\text{mg}/\text{l}$ . The red light went on and the alarm sounded rapidly.

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