

Zaphir CDP 2500

Alcohol Tester User Manual

Read this manual carefully before using the device

1 Brief Introduction

AT188 is a new type alcohol tester we developed (hereunder as the device), the device adopt advanced flat surface semiconductor alcohol sensor, it has good sensitivity and repeatability, LCD screen with backlight, simple and clear, and it is compact design, small size which is more convenient for your portable use and carry. When the test result is over the preset concentration limit, the device will give out audible alarm indication, to remind you for safety.

2 Specification

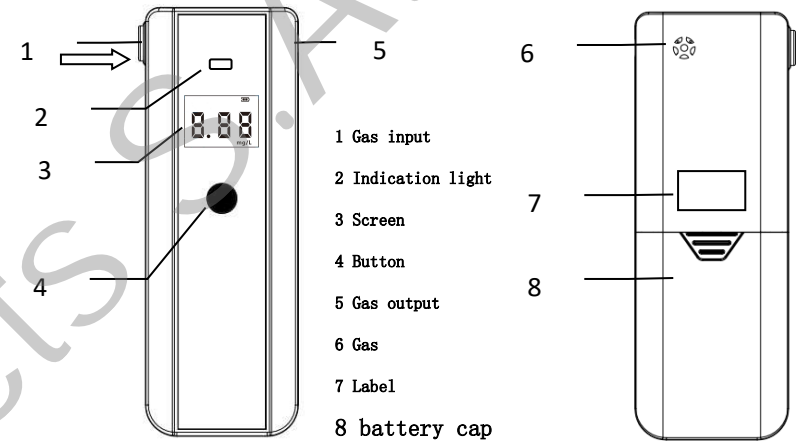
Model	AT188	
Sensor type	semiconductor	
Range	0~0.20BAC% (0~1.00mg/L; 0~2.00‰BAC; 0~2.00g/L)	
Resolution	0.01BAC%	
Warm up time	Around 35s	
Working environment	Temperature: 0°C ~ 50°C , Humidity: ≤93%	
Storage environment	Temperature: 0°C ~ 50°C , Humidity: ≤93%	
Display screen	LCD display	
Power source	1.5V AA batteries (2 pcs)	
Dimension	123mm×44mm×19mm	
Weight	About 50g (without battery)	
Accuracy	Test range at	Accuracy
	0.05BAC%	±0.02BAC%

6 FAQ

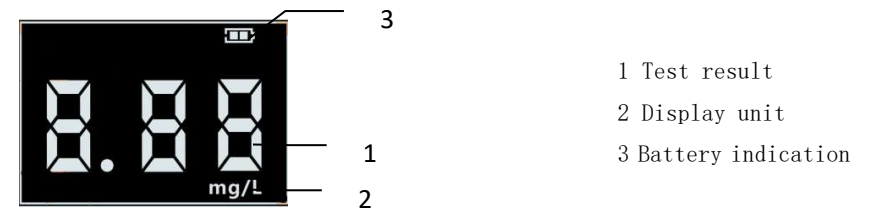
Failure	Possible reason	Solution
LCD no display	Battery not installed well	Reinstall batteries in right method
	Battery under-voltage	Replace the battery
	Circuit failure	Contact to your seller
No response to gas	Count down unfinished	Wait until after count down finish
	Circuit failure	Contact to your seller
Display Err and then power off	Sensor fault	Contact to your seller
Cannot power on	Battery under-voltage	Replace the battery

3 Appearance and function

3.1 Appearance



3.2 Display



8.88	Test result for breath alcohol gas
Loop display "C"	Gas detected, please keep blowing
Loop display "—"	Analysing, wait for result
Err	Sensor fault
rP	Blow fail
blo	waiting for blow
bat	Low battery voltage

4 Operation

- 1) Open the battery cap at the back side of the device, put in 2 pcs of AA 1.5V dry battery in correct direction.
- 2) Install one pc mouthpiece into the gas input hole.
- 3) Press the button for about 2 seconds for power on the device, along with one beep sound, the screen back light will be illuminated, the indication light above the screen will be in blue color, then the device will start a counting down from 40s.

Note: Please do not blow before the counting down finish. It will decrease the test accuracy.

- 4) After counting down finish, the screen will show“ blo ”.The tester can take a deep breath and then blow into the mouthpiece continuously and well distributed. The screen will scroll display“C”, keep blowing until the device give out a three beep sound, several seconds later the test result will be displayed in the screen.
Note: During blow, if the gas flow is not steady or the gas blow is interrupted, the screen will show“rP”.
- 5) The indication light will be in green color when the test result is below the preset alarm level, and the screen will show the exact test result, if the test result is higher than the preset alarm level, then the indication light will be in red color, and the buzzer will also give out a hurried alarm.
- 6) In the whole process after power on the device, the device can be power off if you press the button and hold it for more than 3s.

Note: The device will power off automatically if there is no operation at a long time.

5 Note

- 5.1 Prevent the machine from falling from high or shaking violently.
- 5.2 Test result may be biased with actual value if test is done in under voltage situation.
- 5.3 In order to make sure the test accuracy, please do the test fifteen minutes after drink alcohol.
- 5.4 After long time storage, the first test of the device may be not so accurate.
- 5.5 In continuous test, we suggest wait at least 1 minute to do the next test, or use clean air to blow into the mouthpiece at least 3 seconds and then do the next test.
- 5.6 Please do not blow smoke directly into the device from a smoking person.
- 5.7 After long time use, if the device is dirty, please use clan soft cloth to wipe out it, do not use corrosive solvent or hard substance to clean the surface of the device, otherwise it may cause the surface of the device to be scratched or damaged.