

# AT7100

## Pump Suction Alcohol Tester

### Operation Manual



Read Carefully Before Use

Ver:HW17121301WY

### Cautions

- > To have accurate indication of blood alcohol concentration, please test at least 15 minutes later after drinking.
- > To keep accuracy of alcohol tester, it's highly recommended to be recalibrated in every 6 months.
- > Do not put smoke into the tube, which can damage the sensor.
- > Do not use it beyond -10°C-50°C.
- > Do not clean surface by Ethanol. Please use soft wet cloth and neutral detergent.

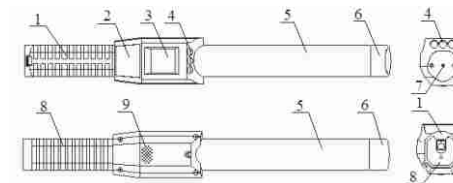
### 1. Features

- > 32-bit MCU
- > Fuel Cell sensor
- > Active and Passive Test
- > LCD Color 128 x 128 Matrix Display
- > Traffic Baton with White and Red Indication
- > Real Time and Temperature Indication
- > Under Voltage Remind
- > Choice of Units-mg/l, mg/100ml, %BAC, %BAC, g/l
- > Fast Warming Up, Response and Recovery
- > No Mouthpiece Needed-Environmental and Hygiene Friendly

### 2. Open Box

- > AT7100 Alcohol Testers
- > Model 26650 Lithium Battery
- > Battery Charger
- > Operation Manual

### 3. Outline Drawing



1	Battery Cover	4	Floodlight	7	Air Inflow Hole
2	Keys	5	Baton	8	Battery Base
3	Display	6	Air Inflow Cap	9	Air Outflow Hole

### 4. Test Mode

After starting up, press test, then electromagnetic pump is running. Subject needs consecutively blow to air inflow hole within 3cm until progress bar ends. If reading is zero, press "Flasher" to continue next test, if not, press " (⏻) " to refresh the gas circuit with electromagnetic running again. Afterwards, it can resume to test.

### 5. Common Faults and Solutions

Fault	Possible Reasons	Solutions
Unable Start	Voltage too Low	Charge Battery
	Battery Polarity Reverse	Battery Reverse
Zero Indication after Drinking	Sensor Dead	Change Sensor
	Beyond Test Distance	Move Testing Hole within 3cm to Subject
	Long Time without Recalibration	Recalibration

### 6. Parameters

Model	AT7100
Sensor	Fuel Cell
Range	0~220mg/100ml (0~1.000mg/L)
Response Time	Less than 1 Second
Consecutive Working	Around 1000 times
Dimension	410mm*52mm*52mm(L*W*H)
Weight	330g
Sensor Life	2 Years

注意！！

此框内容不印刷！需删除！

备注：（注明材质、厚度等重要事宜）

1、正反黑白印刷 2、不要黑框

图名	说明书-AT7100-HW17121301WY-R	版本	V1.02	页码	2折页/共4页
编码	HW17121301WY	材质	105g黑白铜版纸	尺寸	单页74.25*105mm 总尺寸297*105mm
设计	孟岩冰	审核	司晓鹏		2017-12-13