

Test Report

1. Model : AL-2500

2. Description : Breath Alcohol Tester

3. Test Date : 2003.04.09

4. Environment

- . Temperature : 23 ± 1.5 □
- . Relative Humidity : $50\pm 10\%$
- . Simulator Test Pressure : 0.07Mpa / 4 sec

5. .Test simulator :

Guth Laboratories Inc. Guth Model 34C , Serial G 6211)

6. Display unit

- . %BAC

7. Test result

1) Sensor type

Semiconductor sensor

2) Unaffected by cigarette smoke

-. 30 seconds after smoking

3) Battery

Two Alkaline "AA" size Batteries

4) Battery volume:

-. At least 300 times continuous operation is available with fresh batteries.

5) Weight

#sample 1 : 85g

#sample 2 : 85g

#sample 3 : 85g

6) Body

A material which is protected from moisture, heat and static-electricity

7) Vibration and shock protection

The unit endures strong enough for vibration and shock

8) Radio frequency interference

It is protected against radio frequency

9) Breath sampling

The beep function activates (beeper) when the subject blows sample breath into the device at 5cm in front of the simulator

10) Audible warning

An electronic beeper warning of alcohol detecting works by test results

11) Other function

- . It has automatic checking function when it comes to a lower battery
- . Auto power off (After 5minutes without test)

12) Display methods

Alcohol detecting result is on LCD and beep sound

13) Operating temperature range

	Sample#1	Sample#2	Sample#3
-5□	Normal	Normal	Normal
30□	Normal	Normal	Normal

14) Warming-up time

Sample#1	Sample#2	Sample#3
16 seconds	20 seconds	12 seconds

15) Analysis response time

Sample#1	Sample#2	Sample#3
Below 1 sec	Below 1 sec	Below 1 sec

16) Alcohol clearance time

	Sample#1	Sample#2	Sample#3
0.008BAC	5 seconds	5 seconds	5 seconds
0.032BAC	5 seconds	5 seconds	5 seconds

17) Alcohol detecting range

0.00%BAC ~ 0.40%BAC

18) Accuracy

- . 0.025%BAC standard solutions

- . 100 times continuous testing

Sample#1	Sample#2	Sample#3
+/-10%	+/-20%	+/-20%