AlcoSafe™

KX6000S

premium digital
alcohol breath detector

Please read this user manual before use.
Result of this unit for reference only.

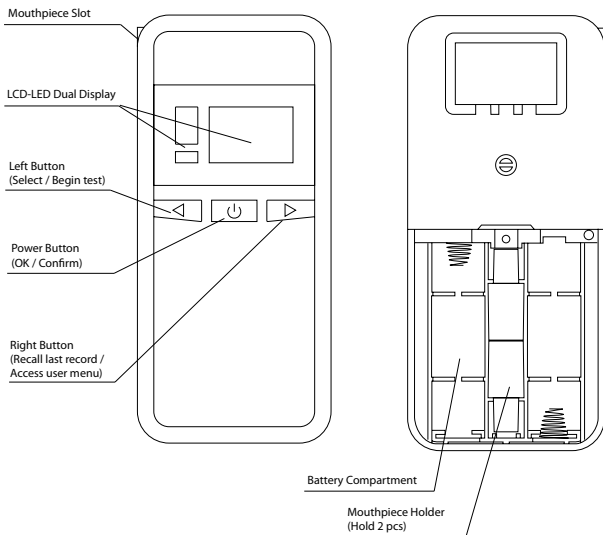Use ALKALINE batteries only.

DO NOT DRINK AND DRIVE!

Owner's Manual

The AlcoSafe KX6000S is a premium grade digital alcohol breath detector that quickly screens for the presence of alcohol in breath. The LCD-LED Dual display indicates the Blood Alcohol Content (BAC) in forms of numeric result (LCD) and alert lights in Green/Yellow/Red (LED) for the test subject in seconds.

Please read this manual entirely before use.

Components Diagram

Mouthpiece Slot

LCD-LED Dual Display

Left Button
(Select / Begin test)

Power Button
(OK / Confirm)

Right Button
(Recall last record /
Access user menu)

Battery Compartment

Mouthpiece Holder
(Hold 2 pcs)

Installing the batteries

Press down the battery cover with small amount of pressure located on the back of the unit. Push down and slide away from the unit to release the cover. Install 2 AA ALKALINE batteries and close the battery cover.

How to use

IMPORTANT!

Wait 20 Minutes	No Drinking	No Smoking

Wait **20 minutes** after the subject drinks, smokes or eats before testing. Failure to wait 20 minutes can give inaccurate BAC readings.

Step 1

Insert mouthpiece: Insert the KX6000S mouthpiece firmly into the mouthpiece slot on the upper left hand side of the unit.

Step 2

Switch on: Press the Power button for 1 second to power on the unit. A single "beep" is heard with current temperature displayed on the Welcome screen.

Note: Unit will auto power-off after 30 seconds of inactivity.

Hello
27℃

Step 3

Initialize sensor: Press the Left button to initiate the sensor warm up and auto-cleansing process. Timer will count down from 99.

WAIT
99

Step 4

Ready: Wait until 'RDY' (Ready) appears with a single "beep" indicates the unit is ready to use.

`RDY`

Step 5

Blowing: BLOW STEADILY into the mouthpiece for 5 seconds. "BLOW 1-5..." appears on display indicating sample being analyzed. Blow until "beep" sound to signal completion of the testing. A BAC reading will be displayed in LCD and alert light in LED.

`BLOW 2`

Step 6

Read the results: The reading would be in range from 0.0 to 4.0 ‰BAC (i.e: 0.00 to 0.40%BAC or 0.00 to 2.00 mg/l) depending on the user pre-set BAC display format.

Note: Refer to 'Set BAC display format' for more about how to change the display format for the BAC result

Note: It is recommended to WAIT AT LEAST 1 MINUTE between tests for more accurate result

Recall the last test record

User could recall the last test record as below:

On Welcome screen, press Right button to show the cumulative test count (the number of tests the unit performed).

Press Right button to show the last test record.

Press Right button again to return to Welcome screen.

Note: KX6000S stores a maximum of 64 test records. Refer to 'Display test result records' for guidance for retrieving previous test records

`Hello 27℃`

`Hello T.COUNT 15`

`Hello RESULT 0.7 ‰BAC`

Illustration of BAC result

KX6000S detects BAC within the range 0.0 to 4.0 ‰BAC (i.e: 0.00 to 0.40%BAC or 0.00 to 2.00 mg/l).

Different system alert messages would be displayed on different measured BAC level as below:

LOW - Green LED light	
‰BAC (g/l)	0.0 - 0.1
%BAC	0.00 - 0.01
mg/l	0.00 - 0.005

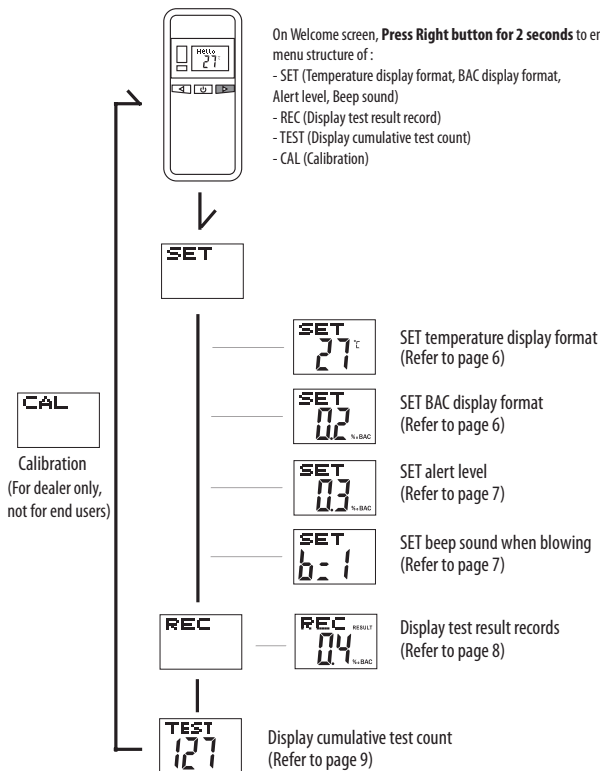| ATTN - Yellow LED light	
‰BAC (g/l)	Between 0.1 and alert level (0.5g/l)
%BAC	Between 0.01 and alert level (0.05%BAC)
mg/l	Between 0.005 and alert level (0.25mg/l)

HIGH - Red LED light	
‰BAC (g/l)	Reaches or exceeds alert level
%BAC	Reaches or exceeds alert level
mg/l	Reaches or exceeds alert level

Note: Alert level is adjustable at (0.2 / 0.3 / 0.4 / 0.5 / 0.8 / 1.0 ‰BAC). Refer to 'Set alert level' for guidance.

On Screen Menu - Navigation path

On Welcome screen, **Press Right button for 2 seconds** to enter the menu structure of :
- SET (Temperature display format, BAC display format, Alert level, Beep sound)
- REC (Display test result record)
- TEST (Display cumulative test count)
- CAL (Calibration)

SET

SET temperature display format
(Refer to page 6)

SET BAC display format
(Refer to page 6)

SET alert level
(Refer to page 7)

SET beep sound when blowing
(Refer to page 7)

REC

Display test result records
(Refer to page 8)

TEST

Display cumulative test count
(Refer to page 9)

CAL

Calibration
(For dealer only, not for end users)

Set temperature display format

KX6000S displays temperature in format of Celsius °C / Fahrenheit °F. The display format could be set as below:

On Welcome screen, press Right button for 2 seconds. SET mode is displayed.

Press Power button 1 time to enter SET mode for setting temperature display format. Current temperature display format blinks.

Press Left button to select your desired temperature display format between Celsius °C / Fahrenheit °F. Press Power button to confirm setting.

Set BAC display format

KX6000S displays BAC result in format of ‰BAC, %BAC, g/l or mg/l. The display format could be set as below:

On Welcome screen, press Right button for 2 seconds. SET mode is displayed.

Press Power button 2 times to enter SET mode for setting BAC display format. Current BAC display format blinks.

Press Left button to select your desired BAC display format between ‰BAC, %BAC, g/l or mg/l. Press Power button to confirm setting.

Set alert level

KX6000 gives alert message (RED light, blinking reading, beeping sound) when the BAC result exceeded the alert level. Alert level could be set at different levels (0.2 / 0.3 / 0.4 / 0.5 / 0.8 / 1.0 ‰BAC) as below:

On Welcome screen, press Right button for 2 seconds. SET mode is displayed.

Press Power button 3 times to enter SET mode for setting alert level. Current alert level blinks.

Press Left button to select your desired alert level between (0.2 / 0.3 / 0.4 / 0.5 / 0.8 / 1.0 ‰BAC. Press Power button to confirm setting.

Set beep sound when blowing

KX6000S could be configured to give beep sound / no sound when blowing as below:

On Welcome screen, press Right button for 2 seconds. SET mode is displayed.

Press Power button 4 times to enter SET mode for setting beep sound when blowing.

Press Right button to select your desire setting (beep sound enabled: b-1; beep sound disabled: b-0) Press Power button to confirm setting.

Display test result records

KX6000S stores BAC test results up to 64 records. The stored records could be recalled as below:

On Welcome screen, press Right button for 2 seconds. SET mode is displayed. Again press Right button to enter the REC (Record) mode.

Press Power button to display the latest record (indicated by the serial number '1' on the screen, followed by the corresponding result) Press Power button again and so on to display the next records sequentially. Press Right button to see the records in reverse time direction.

Press Right button to exit REC (Record) mode. Press Right button 3 more times to return to the Welcome screen.

Display cumulative test count

KX6000S stores the number of tests it has performed as a cumulative test count.

On Welcome screen, press Right button for 2 seconds. SET mode is displayed. Again press Right button 2 more times to enter the TEST mode. Press Power button to show the cumulative test count.

Press Right button to exit TEST mode. Press Right button 2 more times to return to the Welcome screen.

Precautions

1. Allow at least 20 minutes after drinking, smoking before testing.

2. For more accurate results, it is recommended to have the unit recalibrated for every 6 months or 300 tests.

3. Only use the unit in a temperature range of 10 - 40°C or 50 - 104°F. Operation above or below this range may affect the results.

4. Do not blow smoke, food or liquid into the unit.

5. Conditions that increase the amount of ketones on the breath, such as diabetes and low caloric intake, may cause a false positive test.

6. Do not let yourself or anyone else drink and drive. Always use a designated driver when you or anyone else drinks alcohol.

7. Do not use the unit as a tool to determine you should operate a motor vehicle or equipment. The BAC results are for reference only. The manufacturer and distributor / importer disclaims any legal responsibility for the measured test value.

Calibration

The KX6000S is calibrated during manufacture using advanced alcohol simulation equipment. Known alcohol concentrations are passed through the sensor to set baseline values for testing. During testing, the unit compares users' breath samples to these baseline values.

The accuracy of breath alcohol testers can fluctuate after six to twelve months of normal use, depending on the number of tests performed and operating conditions.

If this product is providing inconsistent test results, is not providing any test results, or provides unusually high or low test results, the product should be recalibrated by a trained professional.

Please contact your local dealer for recalibration and technical support.

Error messages

Error message	Cause and Course of Action
REP	This message means insufficient or uneven blowing is detected. Repeat 'HOW TO USE' steps 2 – 6.
REP + Snr	This message means Sensor Not Ready (Snr) and the unit needs another warm-up / autocleansing. It occurs when the unit has not been used for long time / occurs when there is alcohol residue on the sensor. Another autocleansing process is needed. Repeat 'HOW TO USE' steps 2 – 6.
H	This message displays when the unit detected a very high alcohol concentration (above 4.0‰ BAC).
Err	This message displays when the sensor has sustained damage; please contact your local dealer for further support.
	This message displays when Low Battery. Install two (2) new AA alkaline batteries.

Warranty

The manufacturer warrants this product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of purchase. The manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit if returned along with proof of purchase. This warranty is void if the unit has been tampered with or maliciously damaged.

Specifications

BAC Detection Range	0.0 to 4.0 ‰BAC (i:e: 0.00 to 0.40%BAC or 0.00 to 2.00 mg/l)
Accuracy	+/- 0.1 ‰BAC or +/- 0.01 %BAC at cal. point
Warmup	Between 20-60 seconds
Response time	5 seconds
Sensor	Premium Sensitive Semiconductor
Operating temperature	10 - 40°C (50 - 104°F)
Display panel	LCD-LED Dual Display with backlight. DOT matrix display with system messages
Power	Two 1.5V AA Alkaline Batteries (Not Included)
Battery life	Approx. 200 - 300 tests with new batteries
Dimensions	114 x 51 x 18 mm
Recalibration	Recommended every 6-12 months or 300 tests

Don't Risk It, Know Your Limit. Do Not Drink And Drive!

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