



Quick Screening Alcohol Analyzer

With Fuel Cell Sensor

FiT031



IMPORTANT: Many factors (e.g. environment gas residue, smoke & various smell in human mouth, etc...) may affect the Blood Alcohol Concentration (BAC) level, so the Readings are For Reference Only.

Neither the reseller nor manufacturer accepts any liability arising from the use of this unit.

DO NOT drink before you drive!

Thanks for purchasing our FiT031 Professional Fuel Cell Alcohol Analyzer. FiT031 gives you a precision digital indication of your breath alcohol content and thus your possible concentration of intoxication. To achieve the high accuracy, user should study this manual carefully. And any use of the FiT031 requires full understanding and strict observation of these instructions.

Basic Scientific Principles

Fuel Cell sensor is using the electrochemical reaction for platinum against ethanol molecules, gives the most stable and reliable measuring technology.

Declaration: This manual should be read before use.

Brief description

This model is a quick alcohol screening instrument. Using quick screening test mode , to judge a person whether drinking or not. After each test, need to rest for 1~3 minutes and make sure no residue left.

Operation

1. Turn on/off

Press "OK" key for about 3 seconds and the machine will turn on automatically. "Please Blow" flashes on the display (as fig. 1), and blow toward the chamber for 1~2 second to achieve a success sampling.

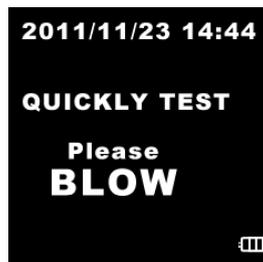


Fig 1

Press "OK" key about 3s to turn off the machine manually.

Auto power off: When the machine is not been pressed any key for 5 minutes, it will power off automatically to save the battery.

2. Test Instruction

2.1 Active test

Blow into the gas chamber about 2cm away from your mouth

2.2 Passive test

Press the "OK" key while the tested person speak toward to the machine's chamber, then the machine will analyze the breath sampling automatically (see Fig. 2-Fig. 4 below).



Fig 2



Fig 3



Fig 4

2.2 Test Result

2.2.1 If set the display format as qualitative mode:

- i when the test result is lower than 0.150‰BAC:
“Low” with green backlight will display on the LCD.
- ii when the test result is higher than 0.150‰BAC:
Then “HI” with red backlight will display on the LCD.

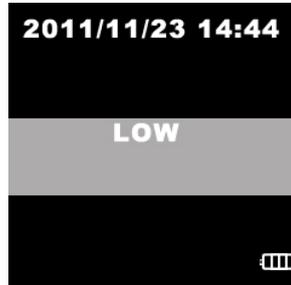


Fig. 5



Fig. 6

2.2.2 If set the display format as quantitative mode:

- i When the test result is lower than 0.150‰BAC:
“0.000‰ BAC” with green backlight will display on the LCD.
- ii When the test result is higher than 0.150‰BAC:
Then digital readings with red backlight will show on the LCD.



Fig. 7



Fig. 8

2.3 Re –test

Press the “OK” key to enter into next test while the last test result show on the LCD. See picture below.



Fig. 9



Fig. 10

3. System settings

Press the “up” & “down” key together for a few minutes and enter into the setting menu, then press the “up” key or “down” key to choose the corresponding menu and press the “OK” key to confirm the corresponding settings.

3.1 Test Record

Select “RECORD” menu and press “OK” key to enter into the record mode, then can review the test records by pressing the “up” & “down” key. Nearly about 50 test records.



Fig. 11



Fig. 12

3.2 Display Format

Select the “DISPLAY FORMAT” menu and press the “OK” key to enter into the display setting format, you can choose the “QUALITATIVE” . Press the “OK” key to set as qualitative display mode.

Choose the “QUANTITATIVE” and press the “OK” key to set as quantitative display mode.

UNIT: select “mg/100mlBAC” or “mg/lBrAC” or “%BAC” and press “OK” key to confirm.



Fig. 13

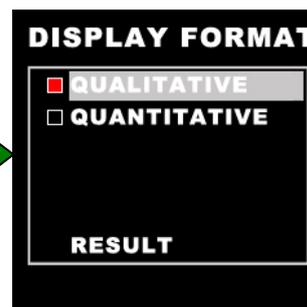


Fig. 14



Fig. 15

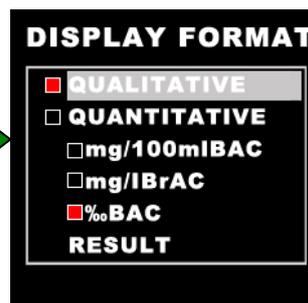


Fig. 16

3.3 Time settings

Select "TIME&DATE" menu, and press the "up" & "down" key to adjust the date and time, press the "OK" key to confirm. See picture below.

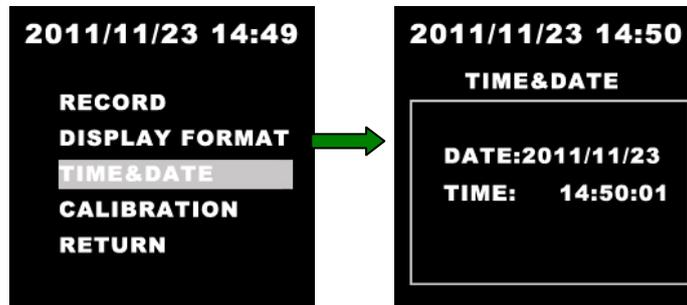


Fig. 17

Fig. 18

Caution: the "CALIBRATION" setting has password control, only our authorized service centre can process the calibration.

Liability for proper function or damage

Never unscrew the FiT031. **Warranty not valid** if any screws had being loosened or warranty label had being broken. Serviced or repaired by personnel not employed by FiT Service centre or authorized by FiT or if the instrument is used in a manner not conforming to its intended use.

Maintenance

Repair/maintenance of the FiT031 should only be carried out by trained technician from authorized FiT professional breath alcohol tester Service Center.

Only authentic FiT spare parts can be used for maintenance.

Specification subjects to change without notice.

Made in China