SENCOR®

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SCA BA50FC

Professional breathalyser   **INSTRUCTIONS FOR USE**

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1. Important safety instructions

Carefully read the entire user's manual before using the device and understand the safety measures and detailed operating instructions for the device. Store the user's manual in a safe place for future reference. If you sell the device do not forget to provide the user's manual to the new owner together with the device and its accessories.

IMPORTANT SAFETY NOTICE!!!
Using the breathalyser immediately after or within 15 minutes of consuming alcohol may damage the detection sensor and there is a danger of future measurements being inaccurate. Unprofessional operation of this device is not covered by the warranty.

We recommend to store and use the device at room temperature. Using and storing at other temperatures may affect the measurement accuracy.

Do not perform tests in strong winds or in a closed room, which is filled with cigarette smoke or contains alcohol vapours.
*   If the flat batteries symbol appears on the display, recharge the device.
*   Do not blow smoke, food or liquids into the mouthpiece.
*   Using in environment outside the specified limits may lead to damage to the device and inaccurate test results.
*   The level of alcohol in the breath depends on many factors and changes with time. The level can change already several minutes after the initial test.
*   The measurement results of this device cannot be used as evidence in legal proceedings.
*   The information obtained using this device is only informative in nature.
    We recommend that it is not used for making decisions about the ability to perform any activity requiring responsibility. Several factors (e.g. natural gas remains, smoke and undesirable breath) may influence the level of the measured values.
*   Do not allow yourself or anybody else to drive a vehicle after consuming alcohol. If you have consumed alcohol always organise for a designated driver or use an alternative form of transport.
*   Neither the vendor nor the manufacturer are responsible for damages caused by the use of this device.
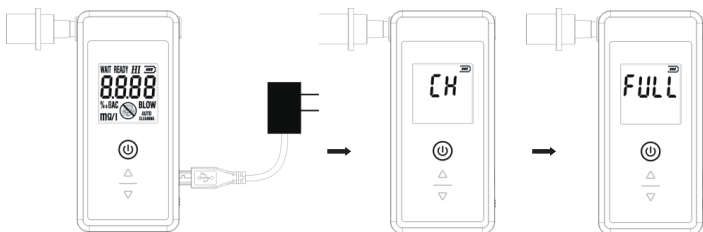
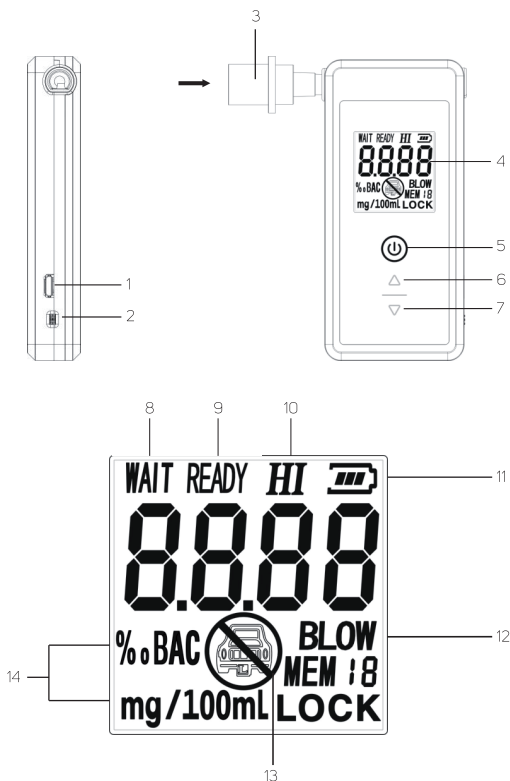**NEVER DRINK ALCOHOL IF YOU ARE PLANNING TO DRIVE A MOTOR VEHICLE!!!**

2. Measurement

*   SCA BA50FC personal breathalyser is a manual professional alcohol analyser. As the electrochemical sensor with a fuel cell utilizes electrochemical reaction of the platinum with the ethanol molecules, personal SCA BA50FC breathalyser represents a stable and reliable measurement technology.
*   Refrain from drinking alcohol and smoking at least 15 minutes before measurement.
*   Wash your mouth with water before use.

3. Charging the battery/Power supply

- With a new device, please charge the battery from the USB DC 5.0 V source using the supplied micro USB cable. (Adapter is NOT supplied with accessories).
  - Shift the power switch in the ON position (green label)
  - Connect the USB cable to USB port on the device.
  - While the charging is in progress, the LCD display will show "CH" and the indicator will be flashing.
  - Once the battery is charged, the LCD display will show FULL (Charged).
- If there is not enough energy in the battery to test for alcohol, the battery indicator will be flashing. Then, recharge the battery immediately please.

4. Description

1. USB PORT
2. Power button
3. Mouthpiece
4. LCD display
5. ON/OFF button
6. UP (up) button
7. DOWN (down) button
8. Wait
9. Ready
10. Alcohol level in blood over the alert level
11. Battery indicator
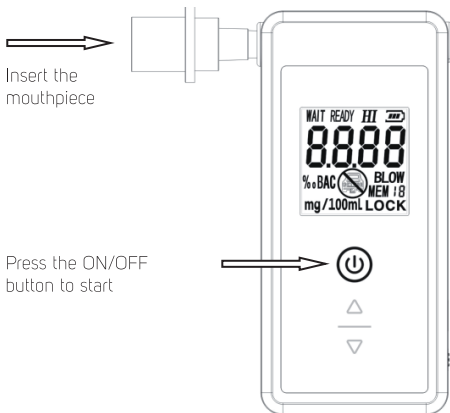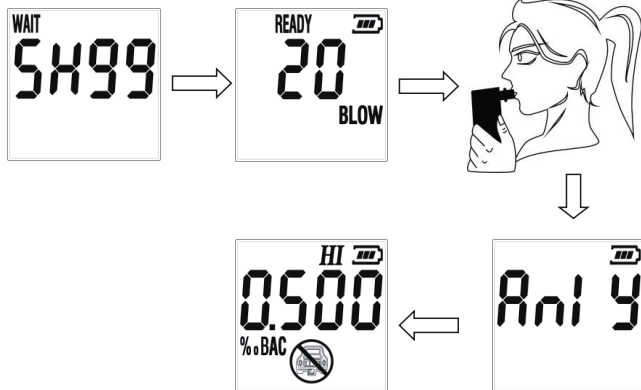12. Blow
13. Do not drive
14. Units

5. Operation

Turning the power on and off

- Press the **ON/OFF** button once to turn the device on.
- When the LCD display shows "ALCO", press and hold the **ON/OFF** button for about 2 seconds to turn the device off.

Starting breath alcohol test

- Insert the mouthpiece
- If the device is on, the display will show "ALCO". Press the **ON/OFF** button once to enable the sensor heating. The display will show "SH" and the countdown will start ("SH99" will count down to "SH90-00"). As soon as the device is ready to take the sample, the display will alter between "READY" and "BLOW" flashing and a sound alert will sound; the unit will start the 30s countdown and during this time, please perform the test.
- When you are ready to blow, blow continuously using the mouthpiece for about 5–7 seconds. The sensor will detect a sample of your breath; stop blowing when you hear "click" and "double beep!". If the sample taking was successful, "Anly" will be flashing (analysis in progress) and then the relevant measured valued will be shown. If the blowing time was too short or if the air flow is too fine or intermittent, the LCD display will show "FLO".
- You can press the **ON/OFF** once for a new test.
- The test result will be shown on LCD for about 60 seconds.

Insert the mouthpiece

Press the ON/OFF button to start

Important notes

- If you don't use the device for a long time or if you use it at low temperature, the warm-up time will be longer.
- After 5 successive tests, leave the device at rest for 5 minutes.
- Store the product in dry environment at room temperature.
- Avoid extreme warmth or long-term exposure to sun.
- If the indicator is blinking, recharge the battery.
- If the difference between two successive measured values is > 0.1‰ (0.01%), users **should** perform a new test.
- **DO NOT BLOCK** the output while taking the breath sample.
- If "FLO" is flashing on display, this is because of too low breath pressure or intermittent blowing. You can start the test again by pressing **ON/OFF** or the device will revert to the "ALCO" mode when "Flo" has been flashing for about 5 seconds.

6. Calibration

When the number of test reaches its maximum (MAX TEST), 500 and "LOCK" will be flashing on the display. This is a calibration identification – you must recalibrate the device so that the results can display correctly.

To make the "LOCK" message stop flashing and get the device ready for next testing, you must do one of the following:

1) Recommended action: Replace the internal measuring module for a new pre-calibrated one. Please contact your dealer or directly the authorized service centre of SERVIS FAST, ČR, a.s. Černokostelecká 1621, Říčany, phone: +420 323 204 120, email: servis@fastcr.cz. This new module will be charged with the current rate.

2) Using the number code, reset your device as described in the User test chapter. The device will operate again for 500 tests, but it will be inaccurate. Therefore, we recommend do to action No.1 – replace the module.

This breathalyser will remain accurate for 1 year of use. The more frequently you use the device, the more frequently the calibration is needed. We recommend that you calibrate your device every 12 months to ensure maximum accuracy.

7. User device reset

1) Turn the device on. ALCO message will be shown.

2) In this mode, press and hold the up and down arrow button and then add the **ON/OFF** button. After a few seconds of holding these buttons down, the screen below will be shown.

3) Using the up button, change the first number to 1, see figure below and wait. The number of measurements performed since the last reset will be shown.

4) Then, hold down the **ON/OFF** for 3 seconds and the instrument will be reset. The device will automatically return to the initial screen and you can continue to use it.

8. Technical specifications

Measuring range:	0.00 - 4.00‰ BAC (blood alcohol concentration)
Units of measurement:	‰ BAC (per mille blood alcohol concentration)
Resolution:	0.01‰ BAC
Alarm at alcohol concentration:	≥ 0.2 ‰ BAC
Accuracy:	better than ± 0.08 ‰ BAC at alarm value
Measurement length:	5–7s
Air blow speed:	12l/min or higher
Pressure and breath interruption detection:	yes
Memory:	20 measurements
Auto shut down:	30s (display), 2 minutes (device)
Power source:	built-in rechargeable Li-Ion battery 3.7 V 250 mAh
Dimensions of the device (h x w x d):	110 x 53 x 19 mm
Weight of the device:	82g
Accessories:	2 mouthpieces, USB cable, user's manual

The package includes:
Breathalyser
2 x mouthpiece
USB charging cable
Instructions for use

INSTRUCTIONS AND INFORMATION ON DISPOSING OF USED PACKAGING MATERIALS

Dispose of used packaging material at a site designated for waste in your municipality.

DISPOSING OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT

This symbol on products or original documents means that used electric or electronic products must not be added to ordinary municipal waste. Take these products to authorized collection points for proper disposal, renewal and recycling. Or in some European Union states or other European countries the products can be returned to the local retailer when buying an equivalent new product. Disposing of this product correctly helps save valuable natural resources and prevents damage to the environment by improper waste disposal. Ask your local authorities or collection facility for more details. In accordance with national regulations penalties may be imposed for the incorrect disposal of this type of waste.

For business entities in European Union states

If you want to dispose of electric or electronic devices, ask your retailer or supplier for the necessary information.

Disposal in other countries outside the European Union

This symbol is valid in the European Union. If you wish to dispose of this product, request the necessary information about the correct disposal method from the local council or from your retailer.

This appliance meets all the basic requirements of the EU directives.

The text, design and technical specifications may be changed without prior notice and we reserve the right to make these changes.

The original version is in the Czech language.

Address of the manufacturer:
FAST ČR, a.s., Černokostelecká 1621, Říčany CZ-251 01

Warranty conditions

Warranty card is not a part of the device packaging.

This product is warranted for the period of 24 months from the date of purchase to the end-user. Warranty is limited to the following conditions. Warranty is referred only to the customer goods using for common domestic use. The claim for service can be applied either at dealer's shop where the product was bought, or at below mentioned authorized service shops. The end-user is obligated to set up a claim immediately when the defects appeared but only till the end of warranty period. The end user is obligated to cooperate to certify the claiming defects. Only completed and clean (according to hygienic standards) product will be accepted. In case of eligible warranty claim the warranty period will be prolonged by the period from the date of claim application till the date of taking over the product by end-user, or the date the end-user is obligated to take it over. To obtain the service under this warranty, end-user is obligated to certify his claim with duly completed following documents: receipt, certificate of warranty, certificate of installation.

This warranty is void especially if apply as follows:
- Defects which were put on sale.
- Wear-out or damage caused by common use.
- The product was damaged by unprofessional or wrong installation, used in contrary to the applicable instruction manual, used in contrary to legal enactment and common process of use or used for another purpose which has been designed for.
- The product was damaged by uncared-for or insufficient maintenance.
- The product was damaged by dirt, accident of force majeure (natural disaster, fire, and flood).
- Defects on functionality caused by low duality of signal, electromagnetic field interference etc.
- The product was mechanically damaged (e.g. broken button, fall).
- Damage caused by use of unsuitable media, fillings, expendable supplies (batteries) or by unsuitable working conditions (e.g. high temperatures, high humidity, quakes).
- Repair, modification or other failure action to the product by unauthorized person.
- End-user did not prove enough his right to claim (time and place of purchase).
- Data on presented documents differs from data on products.
- Cases when the claiming product cannot be indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

Authorized service centers
Visit **www.sencor.eu** for detailed information about authorized service centers.