

Nutrition™

User Manual

Nutrition™ 1.0 03/25

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Foreword

Welcome to Alivion! We are delighted that you are part of our community and would like to support you in the sustainable activation of your fat metabolism for a healthy lifestyle and improved fitness. Together we will create the basis for better well-being and long-term success on your personal health journey. Thank you for choosing Alivion - we are proud to accompany you on this journey!

Warranty terms

The manufacturer guarantees against defects in workmanship and materials for two years from the date of purchase of the Nutrion™. Excluded are the battery, mouthpiece, filter (replaceable) and damage caused by incorrect use (e.g. contamination of the analysis system) or disassembly of the device by unauthorized persons. Any further warranty and any liability for consequential damage are expressly excluded. For warranty claims, please contact the respective point of sale or Alivion customer service, enclosing the proof of purchase and a description of the fault.

Manufacturer address & customer service

Alivion AG, Flughafenstrasse 42, CH-8152 Glattbrugg, Schweiz

If you have technical problems, please contact our technical support: service@alivion.ch

Scope of delivery

1x Nutrion™

1x Filter

2x Mouthpiece

1x USB cable

1x USB charger

After unpacking, check the scope of delivery for completeness and damage. If necessary, contact the respective point of sale, your partner organization or our customer service. If you wish to dispose of the packaging, please ensure that the materials are separated in an environmentally friendly manner.



NOTICE

Check the device for transport damage and report any visible defects to customer service immediately. It is recommended that you keep the packaging after unpacking and return the device in its original packaging in the event of a warranty claim.

Intended use

Nutrion™ is used to measure the user's current acetone level and must not deviate from this intended use. Any other use requires the written consent of Alivion AG. Improper use may endanger people and damage the device. Nutrion™ must be used in combination with the Alivion Core App. The Alivion Core App allows you to take measurements, track your weight, keep a food and activity diary and manage the settings of your device and account. The device is not self-explanatory - for this reason, the Nutrion™ may only be put into operation after reading and understanding the documentation. In addition, liability and warranty claims are excluded in the event of non-compliance with the intended use. The Nutrion™ may only be operated under the operating conditions specified in the documentation. The device is portable and suitable for mobile use.

Basic principle

The Nutrion™ complies with the state of the art and the applicable health and safety regulations. Nevertheless, incorrect operation or misuse can result in danger to the life and limb of the user or third parties and the Nutrion™ and material assets of the user.

Technical data

(see chapter [10](#))

1. Safety

These operating instructions are structured in accordance with the applicable EU regulations. This chapter contains all safety-related information. Individuals are responsible for complying with the safety instructions. If there are any uncertainties or problems with understanding, please contact Alivion's technical support or your partner organization through which you received the device.

1.1 General safety instructions

- Please read these instructions carefully before using the product.
- When using the product, these instructions must be fully understood and followed exactly. The product may only be used for its intended purpose.
- Only personnel trained by **Alivion** may inspect, repair and maintain this product.
- Do not use defective or incomplete products. Do not make any changes to the product.
- Take care not to drop the device or expose it to strong shocks.
- Inform **Alivion's** technical support in the event of unexpected faults or failures (which are not included in chapter 6) of the product or product parts.
- Only use original parts and original accessories from **Alivion**. This is the only way to guarantee the functionality of the product.

1.2 Battery

- The device contains a rechargeable lithium-ion polymer battery. Do not replace the battery yourself. The batteries must be removed and replaced by a qualified specialist. For more information, contact the technical support of Alivion.
- Stop using the product immediately if the battery leaks. If battery fluid gets into your eyes, rinse them immediately with plenty of water and seek medical attention afterwards. If liquid gets on your hands, wash them thoroughly with water. Carefully wipe the liquid off the outside of the device with a cloth.

1.3 Electrical safety

- Only charge your device with the supplied Alivion USB cable and charger.
- Do not expose the device to fire, microwaves, high temperatures or direct sunlight.
- Do not allow the device to come into contact with liquids and do not use it with wet or oily hands. If liquid gets inside the device, stop using it immediately and contact Alivion's technical support.
- If you see smoke, hear an unusual noise or notice a strange odor, unplug the USB charger immediately. Stop any ongoing measurements, switch off the device and contact Alivion's technical support. Do not switch the device on again.

1.4 Signal words used in safety instructions

The following warning signs are used in this document to identify and emphasize warnings that require special attention. The warning signs are defined as follows:



CAUTION

Identification of a potentially dangerous situation. If this is not avoided, damage to the product or injury may occur. It can also be used as a warning against improper use.



NOTICE

Additional information on the use of the product.

1.5 Liability

Responsibility for the proper functioning of the device is irrevocably transferred to the owner or operator if the device is improperly maintained or repaired by personnel not authorized by Alivion or if the device is used in a manner inconsistent with its intended use.

Alivion cannot be held liable for damage caused by non-compliance with the above recommendations.

The warranty and liability clause in Alivion's General Terms and Conditions of Sale is also not affected by the above recommendations.

2. General description

2.1 Product overview



A	Power button On / Off	Press and hold the button for 4 seconds
B	Confirmation button	Confirm selection
C	Scroll buttons	Browse in list
D	USB port	USB port for charging and software upgrades
E	Air outlet	Do not block airflow
F	Air inlet	Insert Mouthpiece here
G	Mouthpiece	
H	Filter connection	Insert the filter here.
I	Filter	

2.2 Required consumables

The following materials are required for proper operation.

- Alivion filter
- Alivion mouthpiece

These products are supplied with the device and can be ordered separately from Alivion.



CAUTION

Accurate results are only guaranteed if the materials used are the official materials provided by Alivion.

3. Use

3.1 Registration and app installation

Before you can use Nutrion™, you must verify your Alivion account. Follow these steps:

- You should have received an e-mail with a link from Alivion or your admin. Please create an Alivion account using this link.
- You will need a Microsoft account for this. If you don't have one yet, you can create one for free.
- As soon as you have successfully created an Alivion account, you will be asked to enter some personal details.
- The device can only be used in combination with the Alivion Core App, as the measurement processing takes place there. This app can be downloaded for free from the Play Store (Android) or the App Store (iOS)
- Log in to the Alivion Core App with the Alivion account you have just created.



NOTICE

Microsoft is our cloud service partner for Alivion's Nutrion™. With your Microsoft account, you log in to Microsoft Azure and get access to your personal measurement data. This data is stored on a European server and fully complies with the requirements of the General Data Protection Regulation (GDPR). Due to this regulation, two-factor authentication must be carried out.

3.2 Filter

- To start up the device correctly, the supplied filter must first be inserted into the back of the device. Remove the filter from the packaging and insert it into the back of the device with the tube first. You should hear the filter click into place.
- The filter is essential for the correct use of the device. It cleans the air before it enters the device so that an accurate and unadulterated analysis of the breathing air can take place.
- If black powder leaks from the filter because it is broken or has been opened, the filter must be disposed of and replaced with an original Alivion filter.



CAUTION

The filter must never be opened, and the filter inlet must never be covered during operation.



NOTICE

The filter material is non-toxic and can be disposed of without any problems.

Exchange the filter:

The filter must be replaced after a few months (see chapter [6.2](#)). To remove the filter from the device, reach under the tab at the bottom of the device and release the filter from the device. Insert the new filter as described above.

3.3 Battery

Charge your device by connecting it to a power outlet using the USB cable and charger provided by Alivion.

The battery status is indicated by the corresponding symbol at the top left of the display.

- The lithium-ion polymer battery can be recharged at any time. Interrupting the charging process will not damage the battery.
- No measurements can be taken while the battery is charging.
- The battery should neither be empty nor fully charged during long periods of storage. Make sure to charge the device at least every six months. If the battery is not used for a longer period, it may no longer be able to be charged.
- Storing the Nutrition™ at temperatures above 40° C or below 0° C can accelerate the ageing of the battery.



NOTICE

The device is delivered with a partially charged battery. It is recommended to fully charge the battery with the supplied USB cable and charger before using it for the first time.

3.4 Switching the device on and off

- To switch the device on and off, press and hold the power button ON/OFF for four seconds. In case you want to switch it off, you must confirm this with the confirmation button.
- After switching it on, it may take up to 5 minutes for the device to warm up and be ready for use.



NOTICE

The sound of the device switching on is normal and comes from the pump inside the device.

3.5 Main menu navigation

The device is operated using the 4 buttons below the screen:

- **Confirmation button:** Confirms the currently marked selection.
- **Scroll buttons:** Changes the selected option (left/right) or (up/down).
- **Power button ON/OFF:** Takes you back to the main menu. If the button is pressed for four seconds, the device switches on/off.



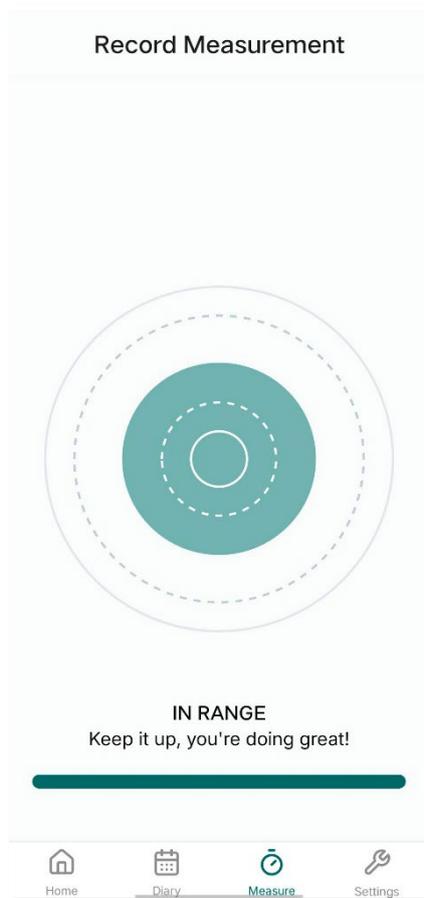
A	Power button On / Off	Press and hold the button for 4 seconds
B	Confirmation button	Confirm selection
C	Scroll buttons	Browse in list

3.6 Alivion Core App

The Alivion Core App guides you through the breath sample delivery process and provides real-time feedback to get an optimal measurement.

To connect the NutriTM to the app, turn on the device by pressing the power button ON/OFF for four seconds. Go to the settings of your mobile device and activate Bluetooth. In the Alivion Core App, you can add a new device under «**Settings**» → «**Connected devices**» → «**Confirm**». The connection between NutriTM and the app is now established. Confirm this on your smartphone with «**Connect**».

3.7 Prepare measurement



To measure a breath sample, you must exhale into the device at a constant pressure for several seconds. A sample of your breath is taken and analyzed.

To make it easier for you to exhale and maintain a constant pressure, you will be guided through the measurement. In the Alivion Core App, you will see a green ball moving between circles depending on your breathing pressure. Your goal is to always keep the green ball between the two dotted circles.

- If you exceed these limits, the color of the ball will change to orange.
- Try to change the pressure accordingly to get back between the dotted lines.
- If your ball is too small, try to exhale more strongly, if the ball is too big, exhale less strongly. If your ball exceeds the solid lines, the measurement is aborted.

Below the circles you will see a timer that tells you how long you must exhale to successfully complete the measurement.

To perform a measurement, select the **«Measure»** option in the Alivion Core App and follow the instructions on the smartphone display. A measurement always consists of the following steps:

1. Insert the mouthpiece
2. Deliver the breath sample
3. Remove the mouthpiece
4. Analysis
5. Regenerate the device

Insert mouthpiece

Before a measurement can be started, the mouthpiece supplied must be inserted into the device. Insert the mouthpiece with the larger circular end first into the mouthpiece connection. Make sure that the mouthpiece is clean and correctly seated in the holder.



CAUTION

Press the mouthpiece into the device with light finger pressure until you feel resistance. Do not use a tool to push the mouthpiece into the holder. Take care not to insert the mouthpiece too deeply or too tightly to avoid damaging the device.

Training mode

Before you carry out the first measurement, you should first carry out a training session to avoid waiting times after an incorrect measurement due to incorrect exhalation. Insert the mouthpiece into the device and start the training mode in the Alivion Core App («**Settings**» → «**Training mode**») and follow the instructions. Try to hold the green ball between the dotted lines while exhaling.

Lung calibration

The maximum lung capacity must be measured so that the delivery of the breath sample can be adjusted to the individual user. To do this, go to «**Settings**» → «**Lung volume test**» in the Alivion Core App and follow the instructions in the app. Take a deep breath and try to exhale as much air as possible into the device. As in the training mode, you must also keep the ball in the middle of the dotted circles for the entire time.



NOTICE

You must not overexert yourself when carrying out the lung test. Hyperventilation or holding your breath for a long time can be dangerous.

Measurements do not require the entire lung volume that was measured during the lung calibration. Therefore, exhaling during a measurement should not be exhausting. If this is the case, repeat the lung calibration or contact Alivion's technical support or your partner organization through which you received the device.

3.8 Performing measurements

General information:

- Please maintain an upright posture during the measurement.
- Breathe in deeply first and then exhale into the device in a controlled manner.
- Try to take your time for the measurement.
- Only use the device at ambient temperatures between 10° - 35°C.

Deliver a breath sample

- First insert the mouthpiece into the device. Then select «Measure» in the bottom bar of the Alivion Core App display to start the measurement.
- As soon as you are instructed to do so in the app, breathe into the mouthpiece with constant pressure.
- Your breathing pressure is visually represented in the app with a ball that gets bigger and smaller depending on your breathing pressure. Try to keep the ball in the center of the dotted circles and exhale continuously.
- When you are instructed to stop in the app, stop exhaling.



NOTICE

Please make sure that the air can escape through the small holes at the top of the device during the entire measurement and that it is not sealed off by a finger or other objects.

Analysis

The analysis of the breath sample typically takes 2 to 3 minutes. As soon as the analysis is complete, you will hear a confirmation tone, and the result is displayed in the app.



NOTICE

Please do not hold the device too close to your face during the analysis so that your breath does not influence the measurement.

Regeneration of the device

After each measurement, the device cleans itself by pumping filtered air through the system for several minutes.

Avoidance of certain substances before breath measurement

Alcohol: Do **not consume alcohol** 10 hours before taking a measurement. Alcohol on the breath strongly influences the measurements and fat burning can no longer be reliably determined.

Avoid the following 15 minutes before the measurement:

- Brushing your teeth and mouthwash
- Eating and drinking, except water
- Chewing gum/sweets or similar
- Use of disinfectants
- Smoking
- Perfume or other strong-smelling products



NOTICE

Please wait 2 minutes after any sport activity before taking the breath measurement.

Cleaning the mouthpiece

We recommend regular cleaning, depending on the degree of dirt and frequency of use. Only use warm water and **never** soap or other cleaning agents or disinfectants. Dry the mouthpiece completely in the air before the next use, preferably overnight.



CAUTION

The use of soap, cleaning agents and disinfectants on the mouthpiece or the device will result in incorrect measurements.

3.9 Measurement accuracy

To guarantee high measurement accuracy, Nutrion™ must be calibrated regularly. A pop-up on the device will remind you of this every two weeks (see chapter [7](#)).

4. Data

You can view your measurement results in the Alivion Core App. Your measurement results are displayed in the «**Home**» section of the Alivion Core App. The results are displayed both as acetone concentration (in ppm) and as fat burned (in grams). For quick and easy orientation, each measurement is also assigned to a level on a scale of 1-5.

The advantage for you: You don't have to concentrate on individual numerical values. The scale provides a simple and clear display of your current fat burning status.

Partner organizations can also view their users' data via the Alivion Cloud. Access will be granted with a login link.

Level guide

Please note that the levels displayed below only represent your fat burn/ketosis level at the time of measurement.

Fat burn

Level	Acetone concentration (in ppm)	Description
1	0.0-1.9	No fat burn
2	2.0-3.9	Slow fat burn
3	4.0-5.9	Moderate fat burn
4	6.0-7.0	Fast fat burn
5	8.0-10.0	Unsustainable fat burn

Ketose

Level	Acetone concentration (in ppm)	Description
1	0.0-2.0	No ketosis
2	2.1-3.9	Trace ketosis
3	4.0-6.5	Mild ketosis
4	6.6-9.4	Proper ketosis
5	9.5-40.0	Optimal ketosis

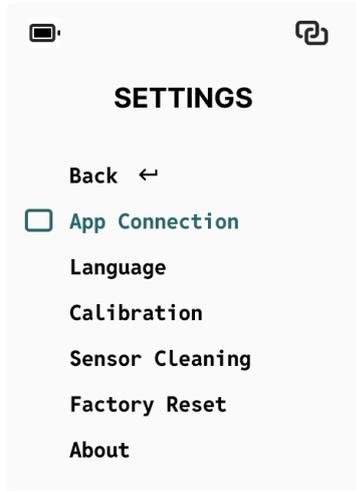


NOTICE

With ketogenic diets, fat burning and fat burning levels cannot be displayed.

5. Device settings

To make settings on the device, select «**Settings**» in the device menu. The following menu items can then be selected:



- **App Connection:** Follow the instructions to connect your device with the Alivion Core App.
- **Language:** The system language can be changed here.
- **Calibration:** To perform a calibration, select this option (see chapter [7](#) for more information).
- **Factory Reset:** The device can be reset to the factory settings here.
- **About:** Shows you the device information.

6. Troubleshooting

This section lists device errors and instructions on how to rectify them.

6.1 Errors during the measurement

Error message: **Exhalation pressure too high/ low, adjust exhalation pressure**

If you remain outside the optimum breathing pressure for too long during a measurement, the measurement is aborted. The device then regenerates for up to 5 minutes. You will also receive an error message indicating whether your exhalation pressure was too high or too low. If you have difficulty keeping the exhalation pressure constant and measurements constantly fail, try the following measures:

1. Take a few deep breaths in and out before the measurement and relax your shoulders. Maintain an upright posture during the measurement.
2. If the ball gets too large or too small, only adjust the pressure in little steps, otherwise the measurement will stop.
3. Do not stop exhaling until you are instructed to do so in the app.
4. Keep the pressure as even as possible until the timer runs out, even if the device changes its volume towards the end of the measurement.
5. Be careful not to block the small hole on the lower side of the mouthpiece during a measurement.
6. Switch back to training mode and practice a few times until you have mastered the correct exhalation technique.

6.2 General errors

Measurement failed:

In addition to acetone, the device has also detected another molecule in high concentrations. Please make sure that you have not consumed any alcohol in the last 10 hours. Repeat the measurement in a few minutes. Please make sure that you no longer breathe in the direction of the device during the analysis.

If this error appears regularly: Please contact your partner organization or Alivion.

Temperature warning:

The appliance can only be operated at ambient temperatures of 10° C to 35° C. Make sure that the ambient temperature is within this temperature range, otherwise try the measurement again at a different location.

Exchange filter:

Your filter seems to have reached the end of its service life. Please request a new filter from your partner organization or Alivion and replace your current one (see chapter [3.2](#)). If this error persists, please follow these steps:

- Make sure that you are not too close to the device with your face after a measurement, otherwise your breath could influence the measurement.
- Clean the sensor («**Settings**» → «**Sensor cleaning**»). This will take 10 minutes.
- Repeat the measurement in a different room.

Sampling pressure failed:

Please restart the device and repeat the measurement. If the error occurs again, please contact Alivion's customer service.

Analysis dutycycle failed:

Please restart the device and repeat the measurement. If the error occurs again, please contact Alivion's customer service.

Analysis pressure failed:

Please ensure that the device is at room temperature and restart it. If the error occurs again, please contact Alivion's customer service.

Regeneration failed:

Please restart the device and repeat the measurement. If the error occurs again, please contact Alivion's customer service.

Sensor failure:

Please contact Alivion's customer service.

Upgrade failed

Please repeat the upgrade process and follow the instructions on www.alivion.ch.

6.3 Warnings

Connect device to your smartphone:

Please connect your device to the Alivion Core app. Follow the instructions in chapter [3.1](#).

Battery low: Charge now

Please charge your device with the supplied USB-C cable and plug. You can find more information in chapter [3.3](#)

Charging process active: No measurement possible

- Remove the charging cable from the device and repeat the measurement
- Disconnect Nutrion™ from the computer and try the measurement again.

Device calibration required

- If you have borrowed Nutrion™ or are part of a test group, please contact your partner organization to arrange the calibration.
- If you bought Nutrion™, order the Calibration Set to carry out the calibration yourself. You can find the calibration instructions in chapter [7](#).

7. Calibration

If you have borrowed Nutrion™ or are part of a test group, please contact your partner organization to arrange the calibration.

If you bought Nutrion™, order the Calibration Set to carry out the calibration yourself.

Please calibrate the device before you start your first measurements to guarantee high accuracy. If you are going to carry out the calibration yourself, the calibration set must be ordered from Alivion.

The calibration set contains the following:

- **BLUE** labelled *Calibration Standard 1*
- **YELLOW** labelled *Calibration Standard 2*
- Sample Tube for *Calibration Standard 1*
- Sample Tube with the **YELLOW** label for *Calibration Standard 2*



CAUTION

Please note the warning and storage instructions on the gas cylinders.

The device must be calibrated every 2 weeks. The device will inform you when a new calibration is required. To perform a calibration, follow the steps below:

1. Please go to «**Settings**» → «**Calibration**». The device will guide you through all the necessary steps described here.
2. Prepare the Calibration Standards: To do this, unscrew the metallic cap from the gas bottles and attach the sample tube with the white spray nozzle end to the bottle by pressing on it.

**CAUTION**

Use the sample tube with the **BLUE** label only with the **BLUE** labelled *Calibration Standard 1* and the sample tube with the **YELLOW** label with the **YELLOW** labelled *Calibration Standard 2*.

3. Connect the Calibration Standard 1 with the device by inserting the orange adapter of the sample tube into the mouthpiece holder. Please handle the sample tube with care. Hold only the orange adapter of the sample tube when inserting or removing it from the device.
4. Confirm that the preparations have been completed by pressing the confirmation button on the Nutrion™.
5. Press the spray nozzle all the way down. The device will then automatically start taking the sample.
6. A countdown shows you how long you must keep the spray button pressed. When the countdown has finished, a tone sounds, and you must release the spray nozzle immediately. The device will then analyze the sample gas. This can take up to three minutes. The sample tube can be removed from the device during this time.
7. Carry out the same steps with Calibration Standard 2 as soon as the device prompts you to do so.

Information to the Calibration Standards

- After calibration, the device will inform you if the bottles will soon be empty and need to be replaced. In this case, please order new bottles from Alivion. As soon as the bottles are completely empty, this will also be indicated when you start the calibration. Please dispose of the bottles in accordance with the applicable disposal regulations in your country.
- The bottles contain pressurized gas, so it is difficult to determine from the outside whether they still contain sample gas. If a bottle feels empty, it may still contain enough gas for calibration.
- As the fill level of the bottles decreases, the noise when pressing the spray nozzle also becomes quieter.
- It is normal and necessary for some of the gas to escape into the air through the hole at the end of the connecting piece to the device during calibration. However, this is not critical and is not harmful to the environment.

Storage:**CAUTION**

Please ensure that the Calibration Standards are not exposed to direct sunlight and that they never heat up above 50 °C.

The sample tube can remain on the bottles during storage. Frequent removal and reconnection of the sample tube can damage the spray nozzle and lead to fewer possible calibrations.

8. Errors during calibration

The following errors can occur during calibration:

- **The device does not start sampling when the spray nozzle is pressed (next screen is not displayed):**
Please check that the spray nozzle has been correctly attached to the bottle and that the connectors are tight. When you press on the spray nozzle, you should hear a flow of air through the

orange mouthpiece attachment. The mouthpiece attachment must also be fully inserted into the holder. If the problem persists, please contact Alivion's technical support.

- **Pressure drop during calibration:**

You have not pressed the spray button long enough. Please keep pressing the spray can until the countdown has finished, and you hear a sound.

- **Incorrect Calibration Standards detected:**

Calibration will fail if the Calibration Standards are used in the wrong order. Please use the **BLUE** labelled bottle first, then the **YELLOW** labelled bottle.

- **Calibration temperature failure:**

The temperature was not sufficiently stable over the entire calibration period. Please ensure that the temperature of the device does not change significantly during calibration. Allow the temperature in the device to adjust to the ambient temperature by leaving it in the same room for approx. half an hour before calibrating.

- **Calibration temperature out of range:**

Make sure that the ambient temperature is between 20-30°C during calibration. This is the only way to ensure that the measurements are precise and reliable.

- **Retention time out of border:**

Clean the sensor («**Settings**» → «**Sensor cleaning**») and repeat the measurement. If the error persists, please contact Alivion's technical support.

- **Spray nozzle broken:**

Your sample tube seems to be damaged. Please contact Alivion to request a new sample tube.

- **Bottle fill level low:**

Your bottle seems to be empty, please use a new Nutrion™ Calibration Set.

- **Problem detected with analysis sensor:**

Please repeat the calibration. If the error persists, please contact Alivion's technical support.

If other errors occur during calibration, please refer to the errors described in chapter [6.2](#).

9. Maintenance

9.1 Transport and maintenance

Transport the device so that it is not exposed to shocks, moisture or direct sunlight.

Store the device in a dry, well-ventilated environment. Protect the device from direct sunlight and other sources of heat.

To ensure the proper functioning of the device, it may only be stored under the following conditions:

Storage temperature: 5 - 40° C

Relative humidity: max. 90%



CAUTION

The use of soap, cleaning agents and disinfectants on the mouthpiece or on the device itself will result in incorrect measurements.

9.2 Software Upgrade

To update the device, please download the corresponding document from our website: www.alivion.ch

Connect the device to a computer and copy the document to the device folder. You can now unplug your device and restart it. The update will then be carried out automatically.

9.3 Cleaning

Switch off the appliance before cleaning and ensure that it is not connected to a power circuit.

Clean the appliance with a dry, soft cloth. If it is very dirty, use a slightly damp cloth.

Moisture must not be allowed to penetrate the appliance. If this does happen and moisture gets inside the appliance, you must no longer use it.



CAUTION

Never use alcohol or cleaning agents containing alcohol to clean the device. Do not immerse the device in liquids and ensure that no liquid reaches the connections.

9.4 Disposal of the device



This product must not be disposed of with household waste. It is therefore marked with the adjacent symbol. Instead, take it to a disposal point for the recycling of electronic devices.

For more information, please contact Alivion and the national sales organizations.



Batteries and rechargeable batteries must not be disposed of as municipal waste. They are therefore marked with the adjacent symbol. Dispose of batteries and rechargeable batteries at battery collection points in accordance with the applicable regulations.

9.5 Labels

Alivion's Nutrion™ is labelled on the device and on the packaging in accordance with the guidelines.

	CE marking of conformity according to the following standards: EMV 2014/30/EU, RED 2014/53/EU, RoHS 2011/65/EU, UN dot. 38.3.
	This product must not be disposed of with household waste. It is therefore marked with the adjacent symbol. Alivion will dispose of this product for you free of charge. For more information, please contact Alivion and the national sales organizations.
	Batteries and rechargeable batteries must not be disposed of as municipal waste. They are therefore marked with the adjacent symbol. Dispose of batteries and rechargeable batteries at battery collection points in accordance with the applicable regulations.
SN	12-digit serial number: identifies the Nutrion™ -device
REF	7-digit order number of the Nutrion™ device (consists of letters & numbers)
	Alivion brand name
	Alivion Logo
Nutrion™	Model name

10. Technical data

Device	Breath analysis device
Sensor type	High-resolution gas sensor
Mouthpiece	Supplied reusable mouthpiece
Display Unit	ppm (parts per million)
Measurement range	0.0 – 100 ppm
Measurement accuracy*	< 10% or 0.1 ppm of the measured value (whichever is greater)
Battery runtime**	3-4 days
Analysis time	Within 2-3 minutes
Connection type	USB-C (USB cable for charging and software upgrades)
Power supply	USB-C, 5 V, 1 A
Battery	Rechargeable LiPo battery (1800 mAh)
Consumption	5.0V \approx 1.0A
Bluetooth	v5.0, 2,4 GHz
Operating Temperature Range	10 – 35 °C
Storage Temperature Range	5 – 40 °C
Display	3.5-inch TFT LCD with high brightness
Operational humidity:	0 - 90 % relative humidity
Dimensions (L x W x H)	180 x 80 x 30 mm
Weight	Approx. 275 g
Protection Class	IP 31
CE-Certification	EMV, RoHs, UN dot 38.3

* Standard deviation of reproducibility for acetone gas mixtures (0.5 to 100 ppm)

** With a standard use of 4 measurements per day