

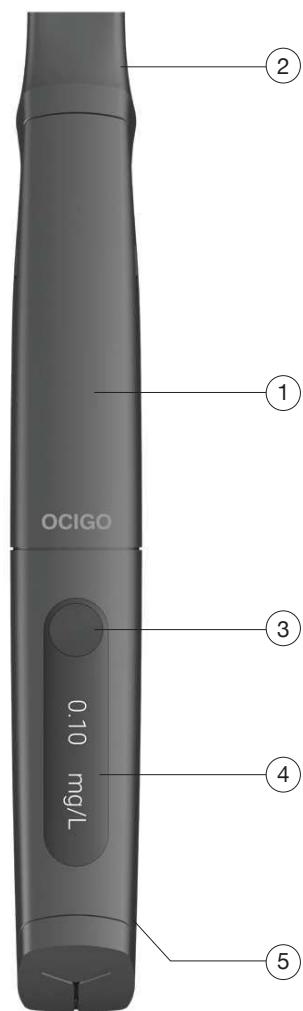
# OCIGO

ALCOHOL  
BREATHALYZER

Instruction of use



[www.olythe.io](http://www.olythe.io)



## English

### OPERATING INSTRUCTIONS

Please read these instructions carefully and keep them in a safe place. The illustrations in this manual are provided as examples. Failure to follow the procedures described in this manual may lead to false results.

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This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment

## 1. Safety Instructions

### PRECAUTIONS FOR USE

- For reliable measurement: :
  - Wait at least 20 minutes after the last alcohol intake before taking a measurement;
  - Certain substances may adversely affect the result;
  - Wait at least 5 minutes after smoking.
- Use the device at its operating temperature of between +10°C and +40°C.
- Use a new mouthpiece for each use. A used mouthpiece may trap alcohol and the device will display false results.
- Blow into the nozzle only when the device indicates the message « Blow ».
- Never use the breathalyzer without a mouthpiece.
- Do not blow into the device when it is switched off.
- Do not block the air extraction vents.
- Do not insert any liquid, gaseous or solid substance into the device other than the user's breath (e. g. smoke, food etc.).
- Do not allow the device to be exposed to direct sunlight or place it close to a heat source.
- Do not drop or subject the device to sudden impact.
- If the device has exceeded its calibration date, you run the risk of obtaining incorrect results.

- The results obtained are for information purposes only, have no legal value and therefore will not be considered as evidence in court or by law enforcement agencies.

### SAFETY INFORMATION

- The OCIGO product is not a toy.
- It should not be used by children under 3 years of age. Use by children over 3 years of age should always be supervised by an adult.
- Do not leave OCIGO charging and on for more than 20 minutes.
- If the device is used in a way not specified in these instructions, the protection provided by the device may be compromised.
- OCIGO automatically turns off after 3 minutes if not in use

## 2. Description

OCIGO is an electronic breathalyzer for measuring the concentration of alcohol in exhaled air. OCIGO is a measuring instrument that requires certain precautions in use to ensure the accuracy and reliability of the results.

### PRODUCT OVERVIEW

- ① OCIGO Breathalyzer
- ② Mouthpiece
- ③ On/Off/Menu » button
- ④ OLED display
- ⑤ Micro USB port (on the back)

### BOX CONTENTS



OCIGO breathalyzer test



Storage box



3 mouthpieces



Micro USB cable type B

- + Set of operating instructions
- + Quick user guide

## 3. Use

### INITIAL USE AND CONFIGURATION

By default, the OCIGO is configured as follows:

- 1 · Language: English
- 2 · Displayed measurement: Alcohol concentration in exhaled air
- 3 · Unit of measurement: mg/L
- 4 · Legal threshold: 0.25 mg/L

If you wish to change this factory setting, please refer to the section « Connected mode ».

### STANDALONE MODE

- 1 · Turn on your OCIGO breathalyzer (1) by pressing the **On** button (3).
- 2 · Then follow the instructions on the screen.
- 3 · The device prompts you to insert a new mouthpiece (2) into the OCIGO («insert» “mouthpiece») and starts up («starting» then «wait»).
- 4 · The device then tells you that it is ready to take a measurement («blow»).
- 5 · **Blow steadily but not too hard**, until the gauge is filled and the device vibrates.
- 6 · - If the measurement is between 0.00 mg/L and the legal threshold, the exact measurement is displayed for 10 seconds.  
- If the measurement is between the legal threshold

and 1.00 mg/L, the display first shows the result for 10 seconds, then alternately displays the exact measurement followed by «danger».

- If the measurement is greater than 0.50 mg/L, the display first shows «> 1.00 mg/L» for 10 seconds, then alternately displays «> 1.00 mg/L» followed by «danger».
- If the message “mouth” “alcohol” appears, it means that the device has detected residual alcohol in the mouth, and therefore does not display any measurement.
- 7 · Once the test is complete, the device proceeds to clean itself («cleaning») and alternately displays «remove» «mouthpiece» if it has not been removed beforehand.

### CONNECTED MODE

- 1 · Download the OCIGO application from the App Store or Google Play.
- 2 · Enable Bluetooth on your smartphone.
- 3 · Turn on your OCIGO by pressing the **On button (3)**
- 4 · Launch the OCIGO application.
- 5 · Accept the General Terms and Conditions of Use

- 6 · You are taken directly to the configuration page on which you can change your user information (name, driver category, language) and the measurement parameters (units of measurement, regulatory thresholds by selecting the country).
- 7 · Validate and accept the permissions (geolocation, Bluetooth, camera).
- 8 · Then follow the instructions on your smartphone's screen by using the device in the same way as for standalone use.
- 9 · If the authentication mode is activated, press «take a measurement» to take a photo during the breath.

### USING THE MENU

Access the OCIGO menu by pressing the «On/Off/Menu» (3):



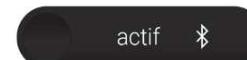
#### Press once for: Battery level

-  Battery charged: 100 to 90%
-  Intermediate load: 60 to 30%
-  Low load: 10% and less



#### Press twice for:

Number of breaths made with the device since its first use.



#### Press three times for: Bluetooth

Bluetooth connection status («connected» or «disconnected»).

### RECHARGING THE BATTERY

To recharge the OCIGO, connect the cable supplied in the box to the micro USB port (5) of the device, and then connect it to a power supply (see Technical Features). The total OCIGO recharging time is approximately 2.5 hours.

For safety reasons, the device cannot be charged outside the 0 - 40°C temperature range.

A charge indicator will tell you if the device is charging correctly.

## 4. Calibration and Warranty

### CALIBRATION

- Each device must be calibrated annually. The calibration date appears when your OCIGO starts up.
- The purpose of calibration is to verify the relevance of the results reported by the breathalyzer, by performing a series of tests under the supervision of an accredited laboratory.
- After the specified date, if you do not recalibrate the OCIGO, the reliability and accuracy of the results are no longer assured. However, the device will continue to operate.
- Calibration should only be carried out by competent and authorized persons.

### WARRANTY

- Under the legal warranty of conformity, OLYTHE guarantees the product against any manufacturing defect that may occur during normal use for 2 (two) years from the date of delivery.
- The warranty does not cover damage or defects resulting from use which is not in accordance with these instructions, or any repairs or dismantling carried out or attempted by persons not affiliated with OLYTHE.

### CONTACTS

- For any information regarding calibration, warranty or technical questions about your product, please contact our technical support (see contact details on the back of these instructions)

## 5. Troubleshooting

**«Invalid breath» message and vibrates twice when you blow into the device.**

To make a correct measurement, the breath duration must be sufficient to reach the minimum required air volume. It is also possible that you may have blown too hard. The application can guide you while you blow. Remember to attach a new mouthpiece beforehand to ensure the reliability of the new test.

**“Wait» message when OCIGO sustains a sudden movement.**

In order to provide a correct measurement, the OCIGO measurement system needs to be kept still. Therefore, avoid violent jolts and sudden movements before blowing.

**OCIGO does not recharge while plugged in**

OCIGO can only be recharged when the ambient temperature is between 0°C and +40°C. Please wait until the temperature drops below 40°C.

### **Message «remove mouthpiece» appears several times in a row.**

If the mouthpiece has been inserted while the cleaning phase is in progress, then the OCIGO will ask you to remove the mouthpiece and resume its cleaning cycle from the beginning. Please wait until the «cleaning» message disappears and the «insert» «mouthpiece» message is displayed.

### **Messages «T < 5°C» or «T > 45°C» followed by OCIGO turning off.**

OCIGO detects a temperature range below 5°C or above 45°C. Therefore it will not work. Please wait until the temperature is above 5°C or below 45°C before turning it back on.

### **Message «T 10°C - 40°C» when starting up the OCIGO.**

The device detects a temperature range of between 5°C and 10°C or between 40°C and 45°C. You can perform a measurement, but it will not be reliable because it is outside the operating range. OCIGO can only operate correctly when the ambient temperature is between 10°C and 40°C.

### **The levels displayed by the OCIGO seem inconsistent**

To take a correct measurement, it is essential to comply with the following rules:

- Use a new mouthpiece for each test;
- Wait 20 minutes after your last glass of alcohol or 5 minutes after smoking;

- Check that the device is within its calibration date.

### **“Error» message at start-up and OCIGO turns off.**

OCIGO is probably experiencing a technical problem. Contact our technical support (see contact details on the back of these instructions)

## **6. Product Features**

### **TECHNICAL FEATURES**

**Measurement principle :**  
infrared spectroscopy technology

**Sizes :** 25 × 25 × 185 mm

**Weight :** 60 g

**Measurement range :**

- Alcohol content in exhaled air: 0.00 to 1.00 mg/L
- Blood alcohol content (BAC): 0.00 to 2.39 g/L\*

\*Upper limit may vary depending on the country.

**Units of measurement (configurable by the user via the application):**

- In exhaled air: mg/L; µg/L; µg/100mL; µg%; g/210L
- In blood: g/L; %[w/v]; mg/mL; %BAC; mg/100mL; mg%; g/kg; mg/g; %[w/w].

**Measurement accuracy:** Compliant with EN 16280 (chapter 7)

**Bluetooth version:** 4.0

**Battery type:** 860mAh (Lithium Polymer)

**Battery voltage:** 3.7 V

**Nominal Current:** 170 mA

**Electrical supply:**

- Micro USB (type B)

- Max. voltage: 5 V
- Max. current: 500 mA

**Max. RF power transfer:** 0dBm

**Compliance:** CE - The CE Declaration of Conformity is available on request frm contact@olythe.com

#### ENVIRONMENTAL CONDITIONS

**General use:** Class B (Domestic) equipment

**Pollution level (according to IEC 60664-1):** 2

**Use:** from 10°C to 40°C

**Storage:** at -10°C to 45°C

**Load:** from 0°C to 40°C

#### ALCOHOL LIMITS IN MAIN EUROPEAN COUNTRIES (indicative information not guaranteed)

| COUNTRY        | BAC Limit (g/L)* | BrAC(mg/L)** |
|----------------|------------------|--------------|
| Austria        | 0.50             | 0.25         |
| Belgium        | 0.50             | 0.22         |
| Bulgaria       | 0.50             | 0.25         |
| Croatia        | 0.53             | 0.24         |
| Cyprus         | 0.50             | 0.22         |
| Czech Republic | 0.00             | 0.00         |
| Denmark        | 0.53             | 0.25         |
| Estonia        | 0.21             | 0.10         |
| Finland        | 0.53             | 0.22         |
| France         | 0.50             | 0.25         |
| Germany        | 0.53             | 0.25         |
| Greece         | 0.50             | 0.25         |
| Hungary        | 0.00             | 0.00         |
| Ireland        | 0.50             | 0.22         |
| Italy          | 0.50             | 0.25         |
| Latvia         | 0.50             | 0.24         |
| Lithuania      | 0.40             | 0.20         |
| Luxembourg     | 0.50             | 0.25         |
| Malta          | 0.50             | 0.22         |
| Netherlands    | 0.50             | 0.22         |
| Norway         | 0.21             | 0.10         |
| Poland         | 0.20             | 0.10         |
| Portugal       | 0.48             | 0.21         |
| Romania        | 0.00             | 0.00         |
| Slovakia       | 0.00             | 0.00         |
| Slovenia       | 0.53             | 0.24         |
| Spain          | 0.50             | 0.25         |
| Sweden         | 0.21             | 0.10         |

|                                 |            |      |
|---------------------------------|------------|------|
| Switzerland.....                | 0.50 ..... | 0.25 |
| United Kingdom (England) .....  | 0.80 ..... | 0.35 |
| United Kingdom (Scotland) ..... | 0.50 ..... | 0.22 |

**\*BAC:** Blood Alcohol concentration = blood alcohol content  
(calculated based on a conversion factor specific to each country).

**\*\*BrAC:** Breath Alcohol concentration = alcohol content in exhaled air (measured directly by the OCIGO).

## 7. Recycling

 This symbol indicates that electrical and electronic equipment is collected separately. Electrical and electronic products may contain substances that have negative effects on the environment and health.

Used electrical products must not be thrown away with household waste, and must be disposed of in separate collections: e.g. waste recycling centres, charities, NGOs etc.

Waste selection reduces the potential effects on the environment and human health due to hazardous substances that can be found in some electrical or electronic equipments