

English

**iCare** PATIENT2



iCare PATIENT2  
Instruction Manual for Android

**icare**

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This device complies with:

Medical Device Directive 93/42/EEC

This instruction manual applies to the iCare PATIENT2 software version 1.0.x, where x is a minor revision without impact to this instruction manual.

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## 1. Intended use

iCare PATIENT2 (TS05) is a mobile app intended for transferring ophthalmic measurement data to iCare CLINIC or to an external system. It also has the capability of displaying ophthalmic measurement data and aiding in glaucoma management. It is indicated for use by healthcare professionals and lay persons.

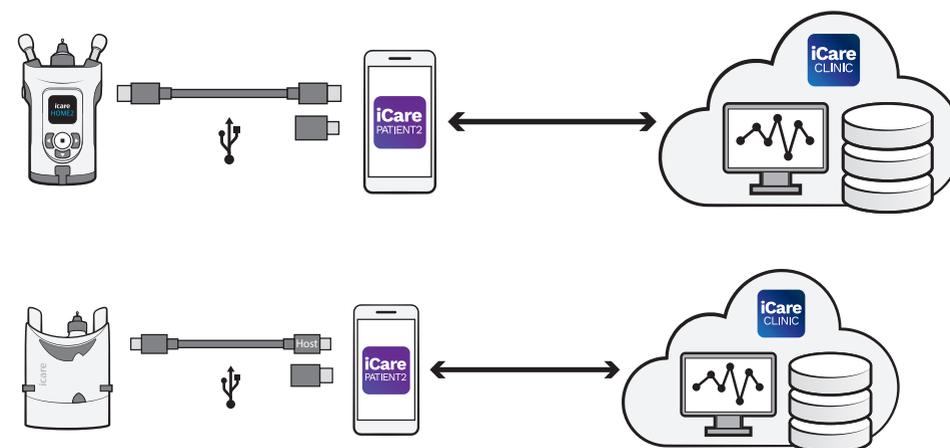
## 2. Safety notices

- ⚠ **WARNING!** Make sure that the mobile device with the iCare PATIENT2 app installed is set to the correct time and date.
- ⚠ **WARNING!** Before taking measurements, update the tonometer's clock to your local time manually from the tonometer's settings or automatically by connecting the tonometer to the iCare PATIENT2 app.
- ⚠ **PRECAUTION!** Report any serious incidents related to the tonometer to your competent health authority and the manufacturer or the manufacturer's representative.

## 3. Introduction

The iCare software system consists of the following:

- iCare tonometer (iCare HOME or iCare HOME2) for measuring eye pressure
- iCare PATIENT2 mobile application with which the patients and healthcare professionals can view measurement data and transfer and store it to the iCare CLINIC or to the iCare CLOUD service
- iCare CLINIC, a browser-based software service with which the healthcare professionals and patients can view the measurement data



iCare CLOUD can be used to store eye pressure measurement results transferred from from iCare HOME or iCare HOME2 using iCare PATIENT2. Patients can store their measurement data to a private account in the iCare CLOUD service, if their tonometer is not registered to a healthcare professional's iCare CLINIC account.

In order to view measurement results with the PATIENT2 app, you need to log in with iCare credentials. For information on how to obtain iCare credentials, see chapter "5. Obtain iCare credentials".

Your credentials protect your measurement results from others. If the app notifies you of invalid credentials, you have entered a wrong password, or email address, or your password may have been stolen. Do not give your password to anyone else.

If you are a healthcare professional and want to use the iCare PATIENT2 just for transferring eye pressure measurement results to the iCare CLINIC without using the iCare PATIENT2 for viewing results, you don't need to log in to the application.

For more information on how to operate the HOME or HOME2 devices, see the device's instruction manual.

## 4. System requirements for iCare PATIENT2

- Android smart phone or tablet with USB OTG support
- Operating system v 6.0 or newer
- USB OTG compliant cable and adaptors supplied with the iCare HOME or iCare HOME2 tonometer
- Internet connection

To make sure that the iCare PATIENT2 app works properly, always install the latest software updates available for your mobile device and the iCare PATIENT2 app.

## 5. Obtain iCare credentials

In order to view measurement results with the iCare PATIENT2 app, you need to log in with iCare credentials. If your iCare HOME or iCare HOME2 tonometer is registered to a clinic's or hospital's CLINIC account, contact the clinic or hospital to get the credentials.

**Note for healthcare professionals:** The patient credentials can be created in iCare CLINIC under the Patient profile tab in the User account section by providing the patient's e-mail address. The patient will receive an invitation e-mail including a link for creating a password.

If your tonometer is not registered to any clinic's or hospital's CLINIC account, you need to register your tonometer to the iCare CLOUD in order to use the iCare PATIENT2 app. Please check the "Getting started" guide delivered together with the iCare HOME or iCare HOME2 tonometer, for instructions on how to register your tonometer. You will get your iCare credentials in the registration process.

If you need help, contact your healthcare professional, tonometer distributor or iCare.

**Note!** iCare CLINIC professional user (doctor, trainer or administrator) credentials cannot be used for logging into the PATIENT2 app. The PATIENT2 app is used only for reviewing an individual patient's results using an individual patient's CLINIC credentials and for uploading measurement data from iCare HOME (s) or iCare HOME2(s) to the iCare CLINIC in which case logging into PATIENT2 is not needed.

## 6. Install the app

1. Open Google Play on your mobile device.
2. Search for iCare PATIENT2.
3. Follow the installation instructions shown on the screen.

To start using the app, tap **START USING THE APP**. Select your area of residence and the correct option for where your eye pressure data will be stored. Read the terms of service and agree to the terms of use and to the processing of your personal data by checking the respective boxes.

## 7. Transfer measurement data

**Tip:** If your mobile device asks for your permission to use the iCare PATIENT2 app or the tonometer, tap OK. Otherwise, you won't be able to transfer data and use the app. To avoid having to give the permission every time you use the app, tap the check box in the dialog.

**Note:** Only use the USB cable supplied with the iCare tonometer.

1. Make sure your mobile device's screen and keys are not locked.
2. Connect the tonometer to your mobile device with the USB cable provided in the tonometer's sales package. Use the USB adaptor delivered in the tonometer sales box in case the cable does not fit into your mobile phone.

Once the USB cable is successfully connected, the measurement data is transferred automatically from the tonometer to your mobile device and to iCare CLINIC or iCare CLOUD.

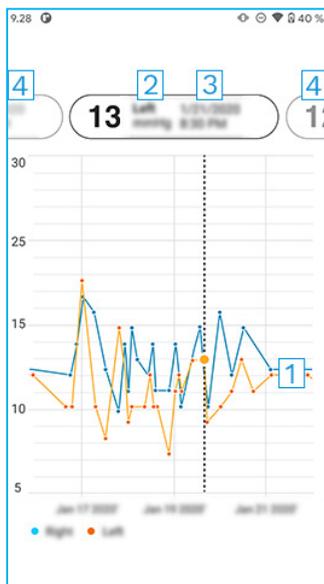
Transferring the measurement results may take up to a minute or more depending on the network connection. You will see the message “[number of] measurements transferred” or the message “no new measurements” once the data transfer has been completed. Unplug the USB cable after a successful data transfer.

After measurement data transfer the measurement results are deleted from the iCare HOME tonometer. The measurement results remain in the iCare HOME2 tonometer.

## 8. View your measurement results

1. Open the iCare PATIENT2 app on your mobile device.
2. If you are not logged in yet, tap **LOGIN** and enter your iCare credentials. Check chapter “5. Obtain iCare credentials” for information on how to obtain the credentials.
3. Tap **Measurements**.

The blue graph shows the measurements of the right eye and the orange graph the measurements of the left eye.



- 1: Selected measurement on the graph
- 2: The result of the selected measurement in mmHg
- 3: Date and time of the measurement
- 4: Tap to open previous or next measurement

To scroll on the graph, slide your finger across the screen.

To zoom in and out on the graph, pinch on the touch screen with two fingers and slide them apart or together horizontally.

To see the result of each measurement, tap the dots on the graph or tap the measurement results at the top of the screen. You can also slide the measurement results with your finger to see the next or the previous result.

If a measurement is marked with **◆**, the measurement is outside the selected scale. Tap **◆** to see the measurement result.

To change the scale, tap **⚙️** and tap **Max value in graph** or **Min value in graph**, and select the new values.

## 9. Change the iCare PATIENT2 settings

Tap **☰ > Settings**.

To define which values are shown on the graph, tap **Max value in graph** or **Min value in graph**, and select the new value.

If you want to use another tonometer with the app, tap **Change tonometer**. You are automatically logged out from the app.

The app is then ready to transfer measurement data from another device.

## 10. Log out from iCare PATIENT2

In daily use, you don't need to log out from the app. However, if you give your phone to someone else, log out from the app to prevent them from seeing your measurement results.

Tap **☰ > Settings > Logout**.

When you are logged out, you can still transfer measurements from the

tonometer **to the iCare CLINIC or iCare CLOUD**, but you cannot see them on your mobile device.

If you no longer need to use the iCare PATIENT2 app, you can uninstall it. Uninstalling the app will not delete your eye pressure measurement data from the iCare CLINIC or iCare CLOUD.

## 11. Troubleshooting

**Tip:** For contact info, such as iCare's e-mail addresses, tap  **> Info**.

- **If you have connected the USB cable to the tonometer and your mobile device but nothing happens**, make sure you have connected the cable correctly to your mobile device.
- **If you have transferred your measurements from the tonometer, but you cannot see them in your measurement results**, make sure the tonometer is registered to your name. Contact your healthcare professional, tonometer distributor, or iCare. Check also that the tonometer's clock shows the correct time. To update the time, connect the tonometer to your mobile device with the USB cable, and start the iCare PATIENT2 app on your mobile device.
- **If you get the error message Error during transfer**, disconnect the USB cable from your mobile device and the tonometer, and then connect it again. Make sure your mobile device is connected to a network.
- **If you get the error message USB permission denied**, disconnect the USB cable from your mobile device and then connect it again, grant the permission in the pop-up that appears on your mobile device's screen. If this does not help, disconnect the USB cable from your mobile device, go to your mobile device's settings and grant the permission for the iCare PATIENT2 app to use the USB functionality of your mobile device. Then connect the USB cable again to your mobile device.
- **If you get the error message Connection error to server. Can't load measurements**, make sure your mobile device is connected to

a network. Close the measurements view and open it again. You will also get this error message if you have logged in to the iCare PATIENT2 app with CLINIC healthcare professional credentials instead of patient credentials.

- **If you get the error message User is not authorized. Can't load measurements**, your login session has expired. Log in again.
- **If you get the error message Device not registered**, your tonometer needs to be registered. See chapter "5. Obtain iCare credentials" for information on how to register your tonometer.
- **If you get the error message Login failed due to an unexpected error**, try logging in to the iCare PATIENT2 app again. Make sure your mobile device is connected to a network. If the problem persists, contact your healthcare professional, tonometer distributor, or iCare.
- **If you get the error message Invalid credentials**, try logging in to the iCare PATIENT2 app again. Make sure your e-mail address and password are correct. If the problem persists, contact your healthcare professional, tonometer distributor, or iCare.
- **If you need help with the iCare PATIENT2 app**, contact your healthcare professional, tonometer distributor, or iCare.
- **If the iCare PATIENT2 app is not working properly, or you find mistakes in this instruction manual**, contact [info@icare-world.com](mailto:info@icare-world.com), or if you are located in the U.S., contact [infoUSA@icare-world.com](mailto:infoUSA@icare-world.com).

## 12. Technical description

When the iCare tonometer is connected to a mobile device with the USB cable provided in the tonometer's sales package, the iCare PATIENT2 app reads the eye pressure measurement results from the tonometer and transfers and stores them in the iCare CLINIC database on the internet using the mobile device's data connection. The app also uses the data connection to read the measurement results from the database, as the results are stored in the database only, not on the mobile device.

Do not connect the mobile device with the iCare PATIENT2 app installed to a healthcare professional's IT network to which the healthcare professional's medical devices or software are connected.

The mobile device with the iCare PATIENT2 app installed can use any internet connection that allows HTTPS communication.

If the data connection fails, the measurement results cannot be transferred from the iCare tonometer to the iCare CLINIC database, and the measurement results cannot be viewed.

The eye pressure measurement results are displayed in millimeters of mercury (mmHg) with the precision of one millimeter of mercury. The available scale of the y-axis is from 5 mmHg to 50 mmHg.

The specified measurement scale of iCare HOME tonometer is 5-50 mmHg, and the specified measurement scale of iCare HOME2 tonometer is 7-50 mmHg.

## 13. Symbols

	Manufacturer
	Caution
<b>Rx Only (U.S.)</b>	Federal law (U.S.) restricts this device to sale by or on the order of a physician or properly licensed practitioner.
	CE mark
	Product is a medical device



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