



Calibration guide



ondilo.com

INTRODUCTION

- What is the purpose of calibration?

The regular calibration of your pH (blue) and Redox (orange/yellow) allows you to ensure that the readings taken by your ICO are accurate and thus to optimize its performance. Furthermore, it helps you to maximize the lifespan of your sensors.

- At what point should I calibrate my sensors?

You should calibrate your sensors at the start of each season before getting your pool back up and running to ensure that you start the season in the best possible condition.

Furthermore, if at any moment during the season you have a doubt about the accuracy of your pH and Redox readings don't hesitate to re-calibrate the sensors in order to ensure that the readings are as accurate as possible.

- Where should I calibrate my sensors

You should calibrate your sensors in a dry and clean area (to avoid possible impurities) with an ambient temperature.

CONTENTS PAGE

- INTRODUCTION..... 2
- CONTENTS PAGE **Erreur ! Signet non défini.**
- USAGE PRECAUTIONS..... 4
 - ICO LOCATION 4
 - SAFETY INSTRUCTIONS 4
 - ORP SENSOR SOLUTION..... 5
 - PH SENSOR SOLUTION..... 5
- PURCHASE YOUR CALIBRATION PRODUCTS..... 6
- CALIBRATION 7
 - Calibrate the ORP sensor (yellow)..... 10
 - 11
 - Save your calibration 11
 - Disconnection..... 12
 - Calibrate your pH sensor (blue) 13
 - Save your calibration 17
 - Disconnection..... 18
- TO FINISH 19

USAGE PRECAUTIONS

You are about to realize the calibration of the ORP and pH sensors of your ICO connected device.

ICO LOCATION

The calibration must be realized with ICO out of water. Do not turn it off and dry it softly. Only the protection cap of the sensors must be opened.

Before starting, you should read the usage conditions of the products used for a calibration.

SAFETY INSTRUCTIONS

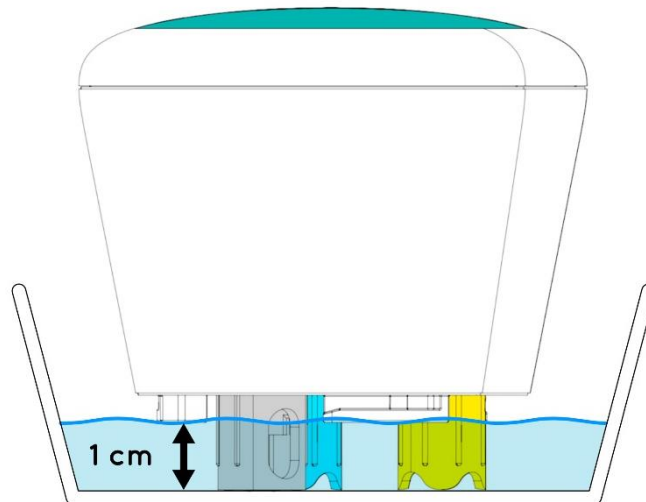
First of all, we would like to remind you that these products are for single use only and should not be kept after opening.

These solutions are non-toxic and can be disposed of in the sewer system.

When cleaning your pH (blue) sensor, do not rub the optical bulb underneath it, as it may be damaged.



Your sensors must be soaked with products to a minimum height of 1 cm.



Don't leave these products within reach of children.

Take all the usage precautions and protections about the calibration products utilisation.

ORP SENSOR SOLUTION

After use, wash your hands with soap and water.

CE This product complies with EC Regulation No. 1907/2006

PH SENSOR SOLUTION

Store your solutions away from light and at room temperature (+15 to +25°C). Non-harmful product according to Directives 67/548/EEC and 1999/45EC concerning the classification, packaging and labelling of dangerous preparations.

Wash your hands with soap and water after use.

PURCHASE YOUR CALIBRATION PRODUCTS

Before realizing your ICO calibration, it's necessary to equip you with the right products.

1 For your ORP sensor calibration (yellow), you need to buy the 470 mV solution. In order to provide you this product, contact your pool specialist.



2 For your pH sensor calibration (blue), you need to buy the 4.01 pH solution and 7.01 pH solution. In order to provide you these products, contact your pool specialist.



These products are one-use only



(The open pH solution maximum time is only 1 day.)

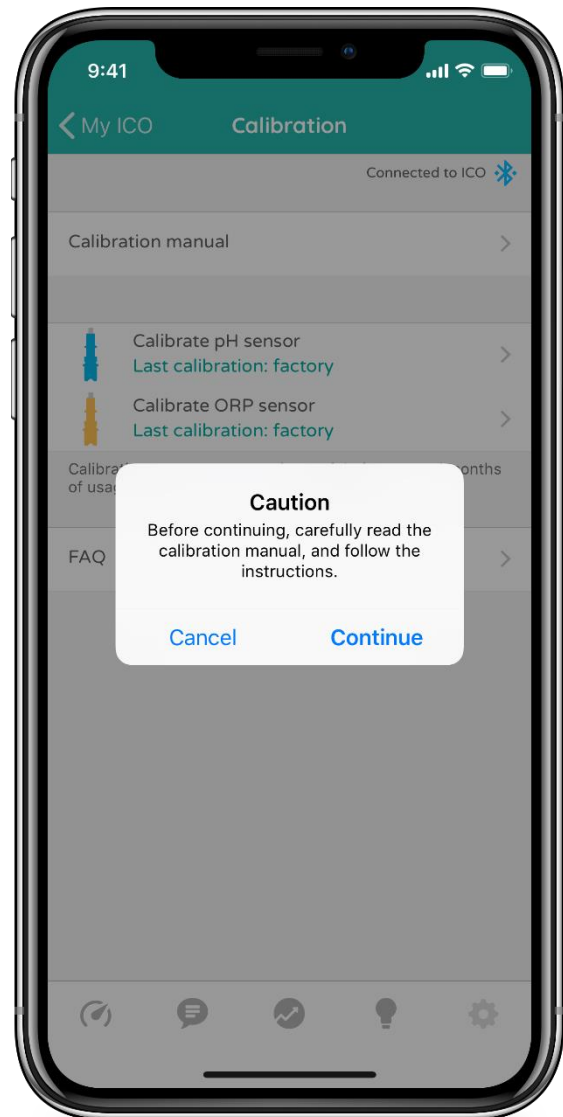
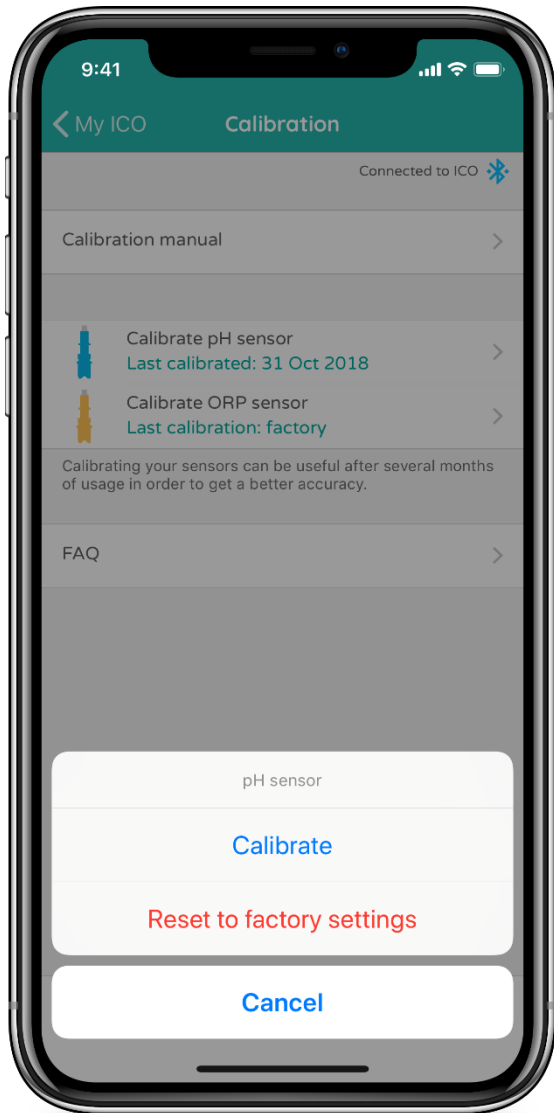
CALIBRATION

- 1 Activate your Bluetooth on your smartphone in order to your ICO was connected during the manipulation

Before to start, make sure you are near to ICO during the manipulation

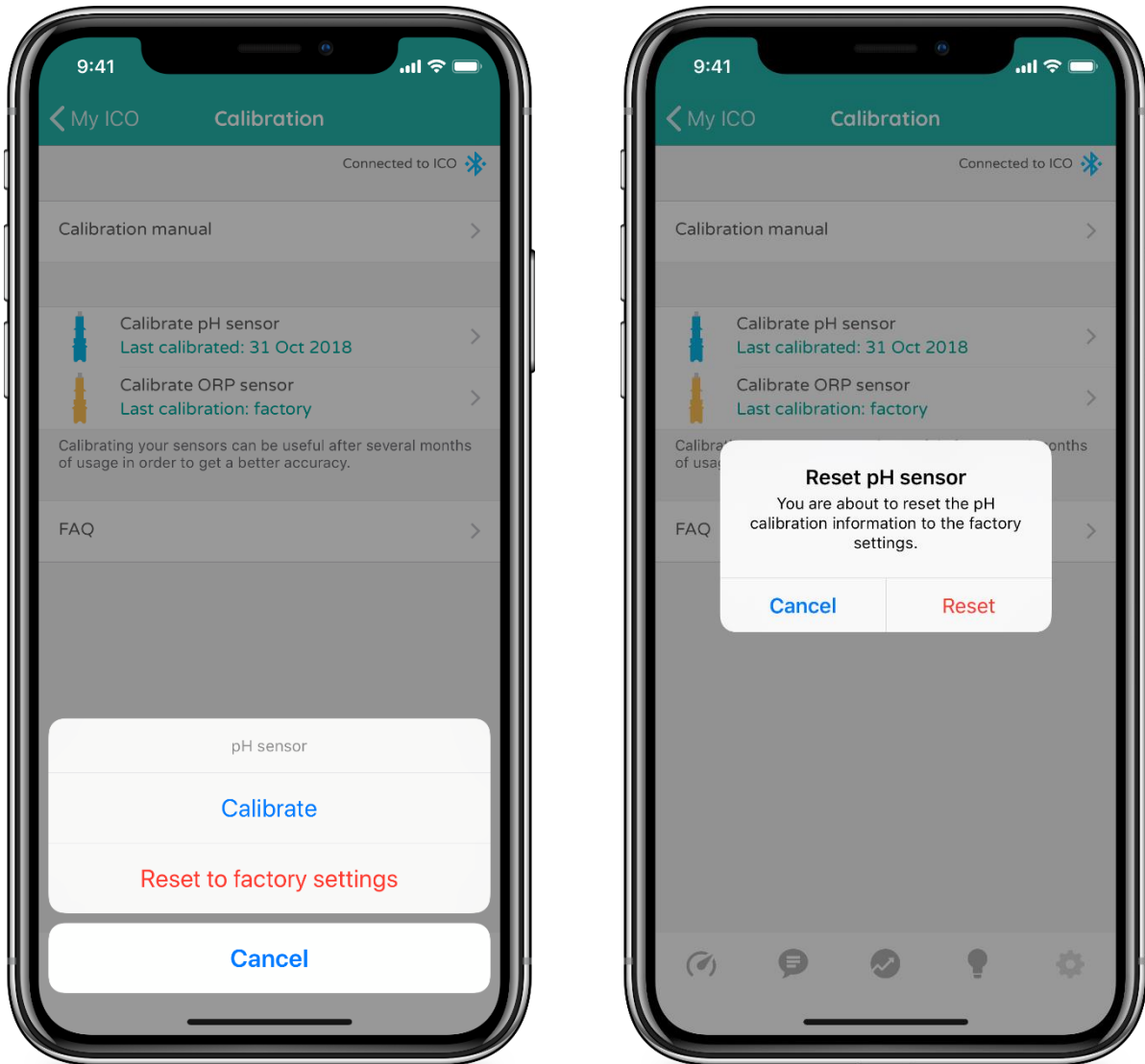


- Calibrate your(s) sensor(s)



Please, click on « Calibrate »

- Reset to factory default **(Only if you have already calibrated)**



Please, click on “Reset to factory”

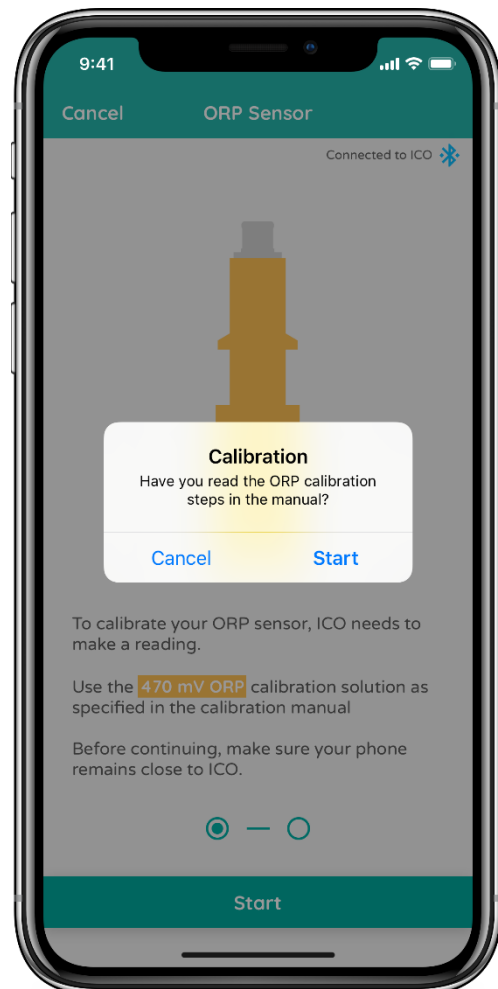
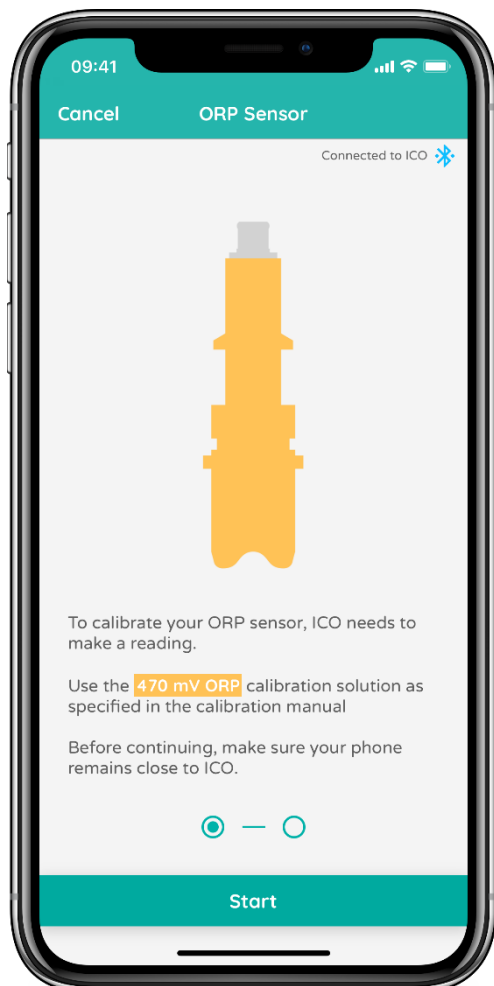
Make sure you have read all the instructions in the user manual before starting the calibration.

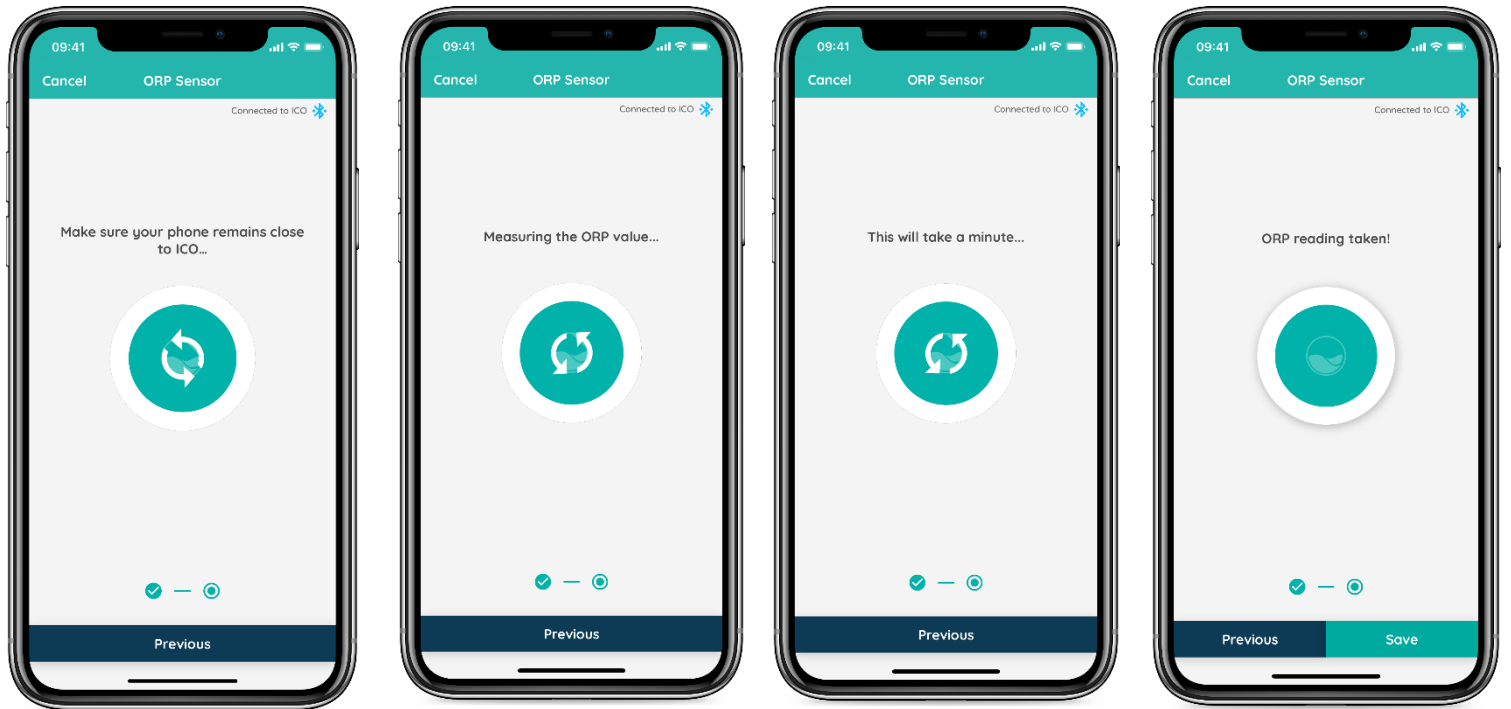
Calibrate the ORP sensor (yellow)

- 1) We offer you 2 options to clean your sensor before you start:
 - Carefully shake the bottom of your ICO in a tank containing demineralized water
 - Using a pipette (or other nozzle container), spray 1 or 2 sprays on your sensor

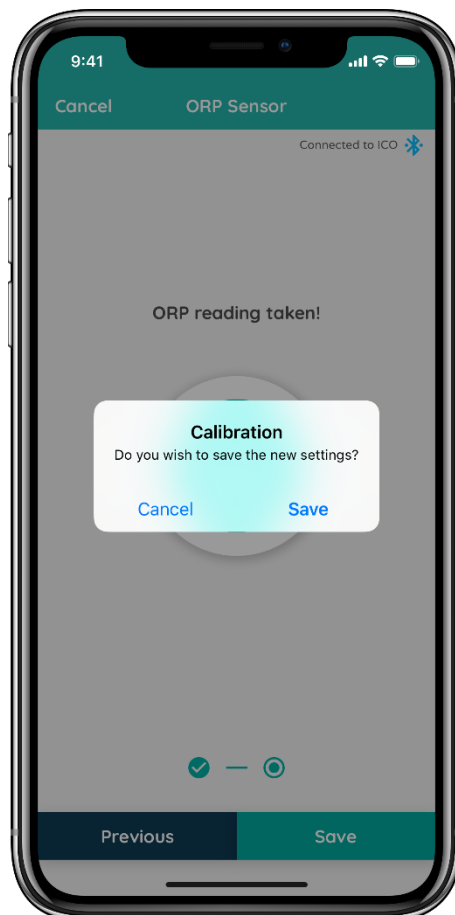
In both cases, gently dry it with a non-abrasive, non-electrostatic cloth or paper towel

- 2) Follow the application

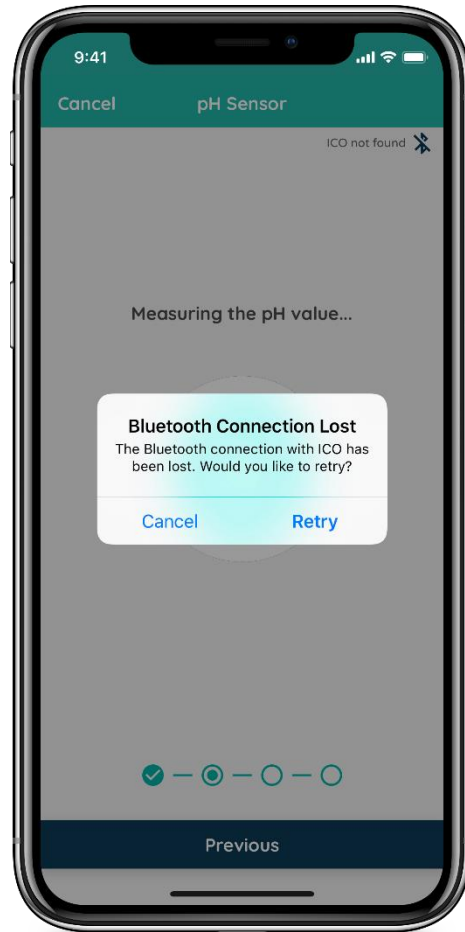




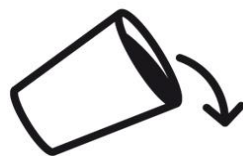
Save your calibration



Disconnection



After the end of your ORP calibration, empty the solution into your sink.
Then clean your container with clean water.



Calibrate your pH sensor (blue)

Before to start, make sure you are near to ICO during the manipulation



This calibration will be done **with 2 solutions**

1 Calibrate with the 4.01 pH solution

Before we start, repeat the same cleaning manipulation alluded on the page 8:

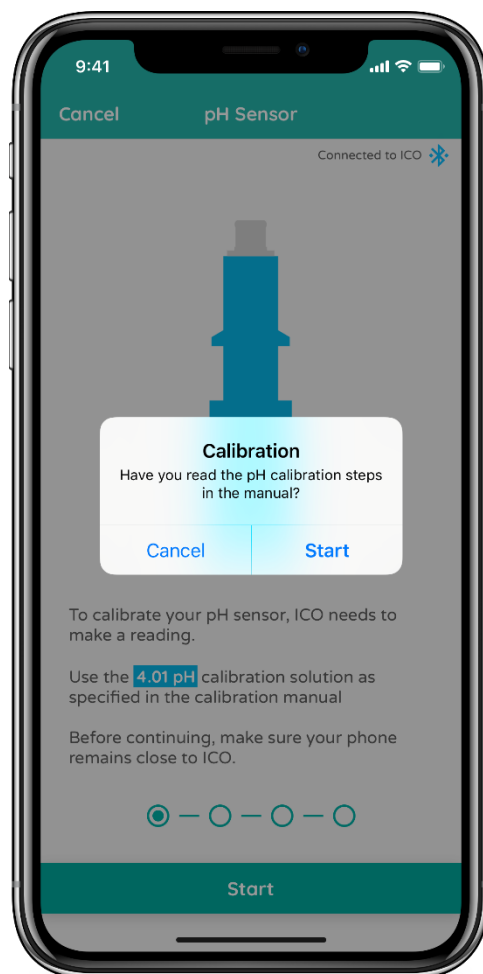
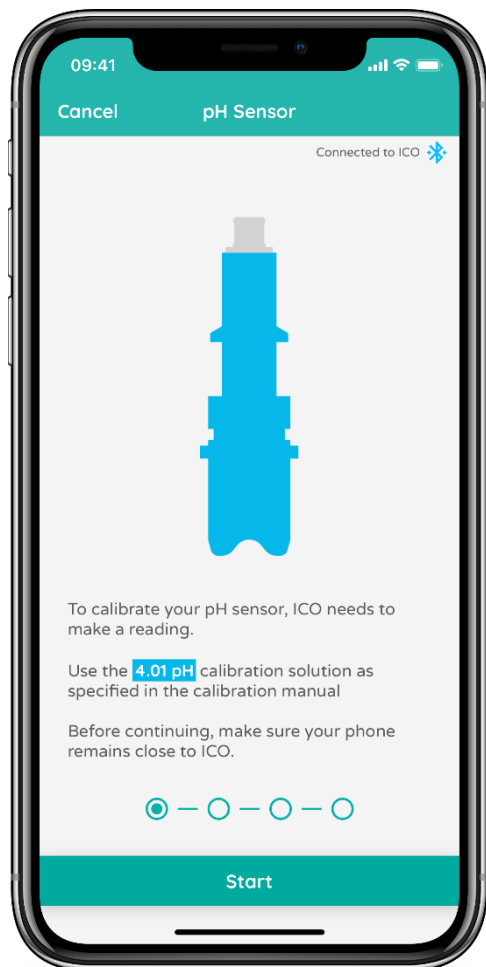
- Carefully shake the bottom of your ICO in a tank containing demineralized water
- Using a pipette (or other nozzle container), spray 1 to 2 sprays on your probe

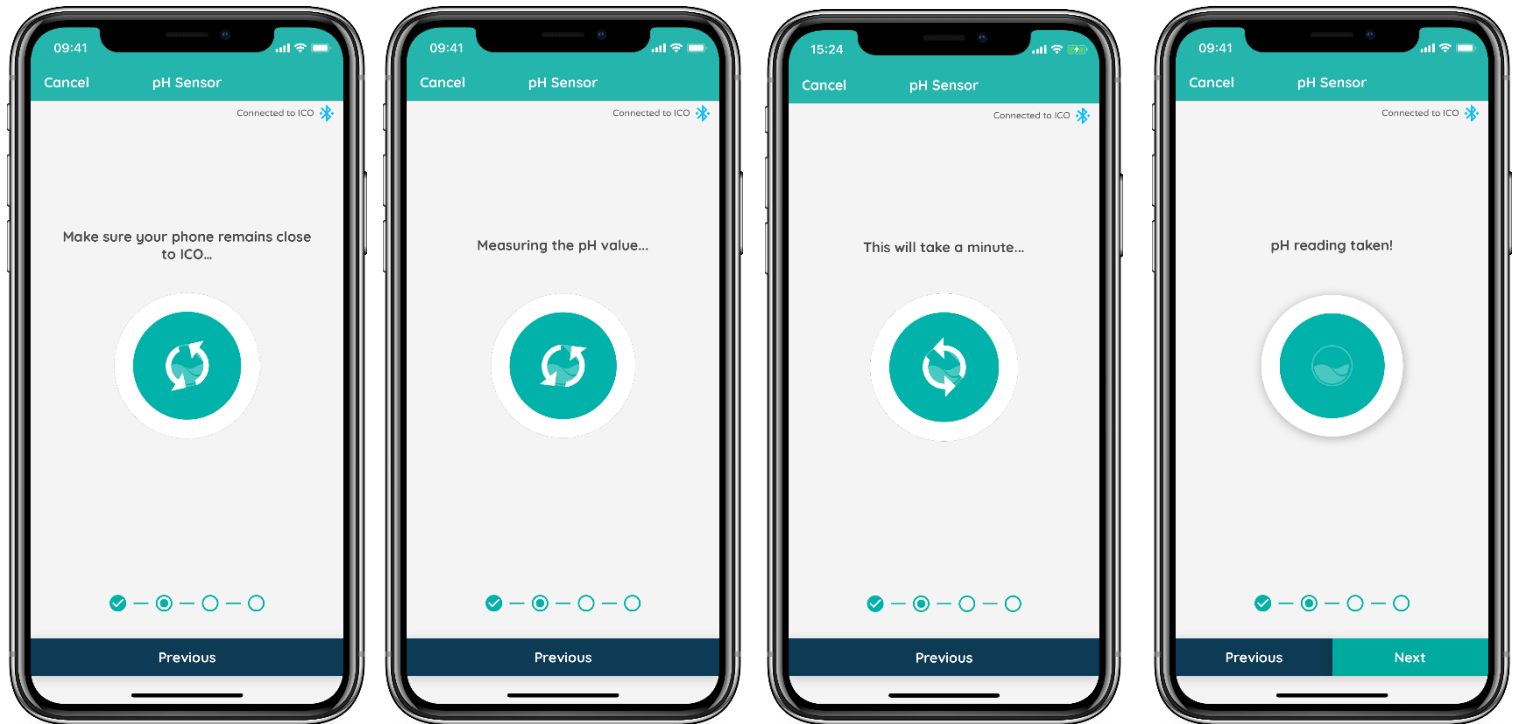
In both cases, gently dry it with a non-abrasive, non-electrostatic cloth or paper towel



Don't leave your sensors for a long time in the demineralized water, in which case you can damage them.

1) Follow the application





The first calibration step finished. Empty the solution into your sink.
Cleaning your container with clear water.

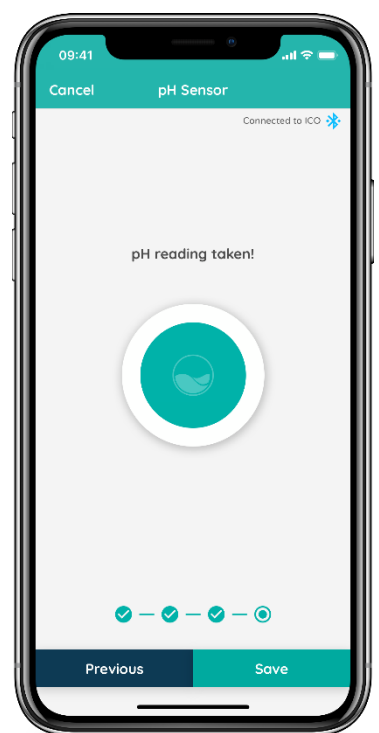
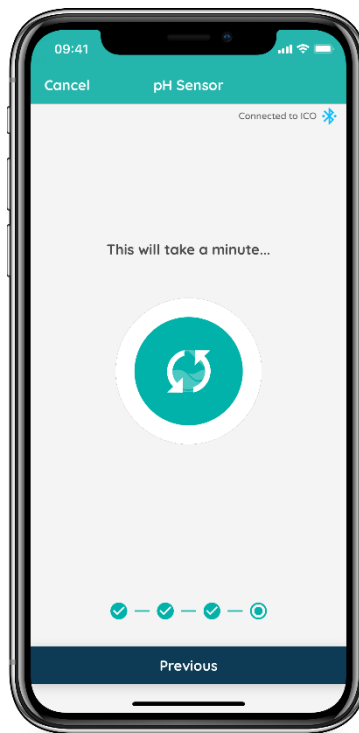
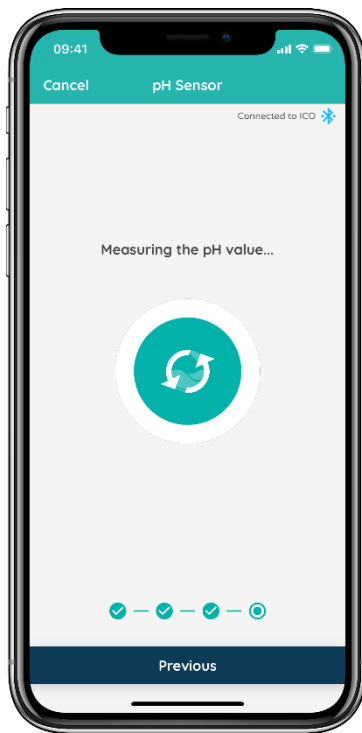
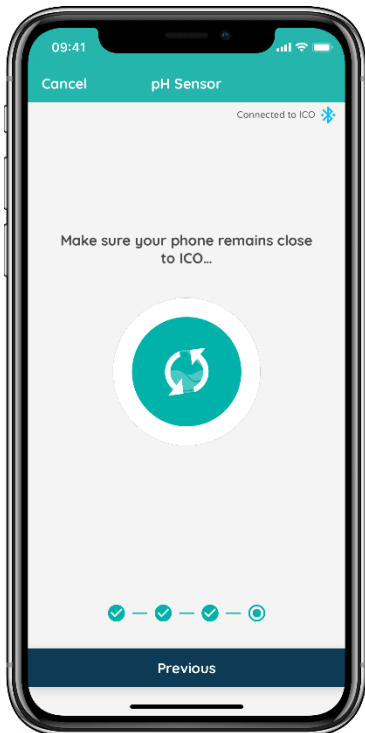
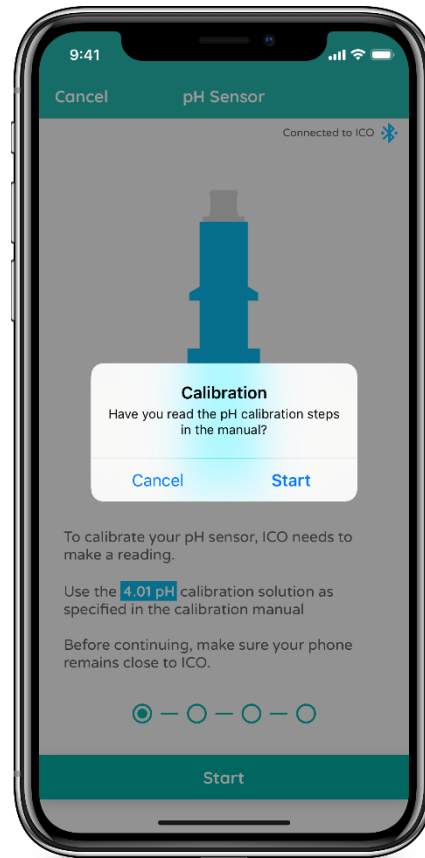
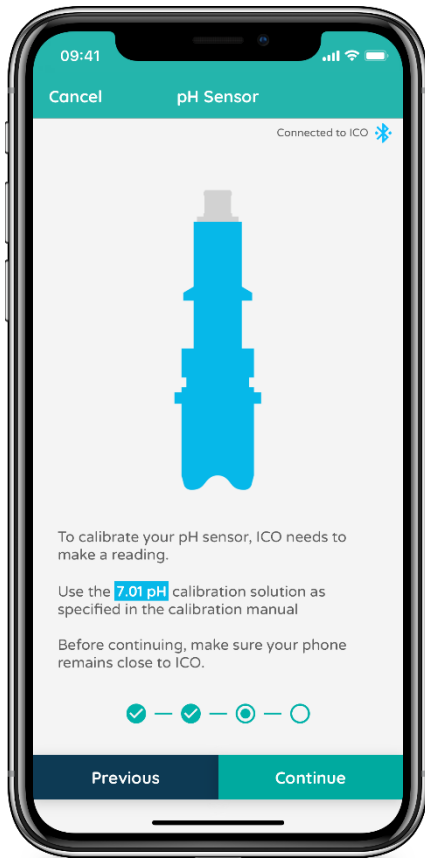
2 Calibration with the 7.01 pH solution

1) repeat the same cleaning manipulation of your pH sensor

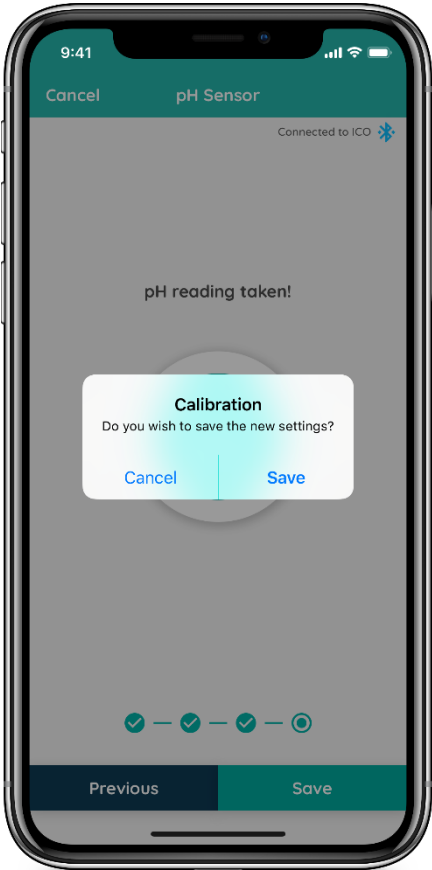


Don't leave your sensors for a long time in the demineralized water, in which case you can damage them.

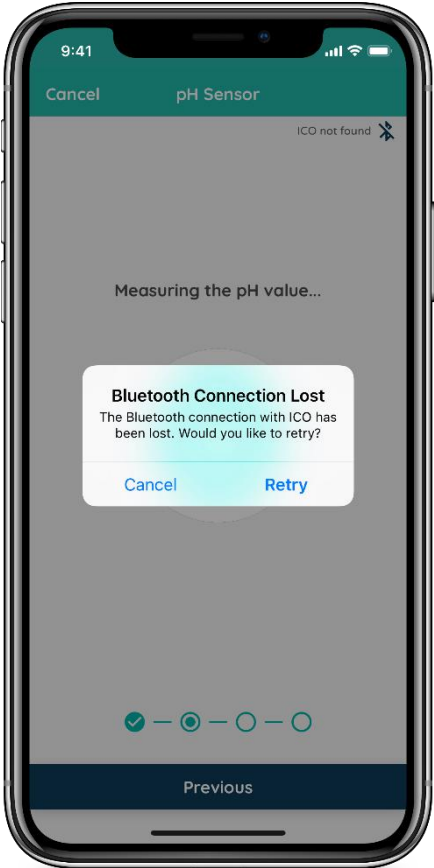
1) Follow the application instructions



Save your calibration



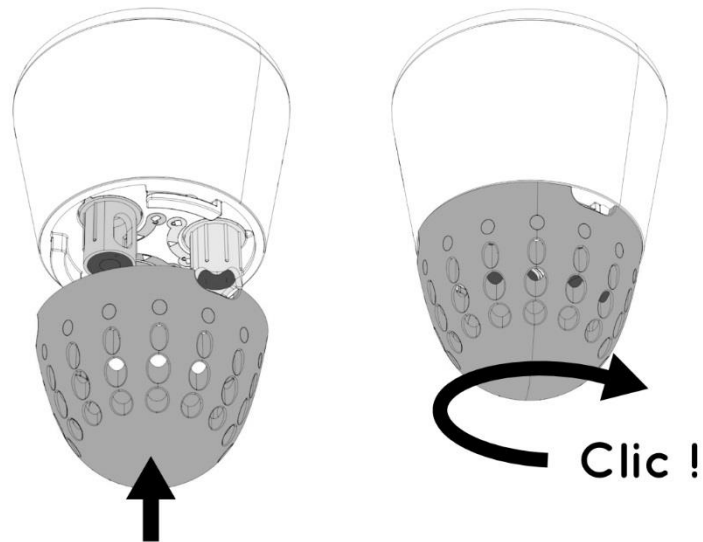
Disconnection



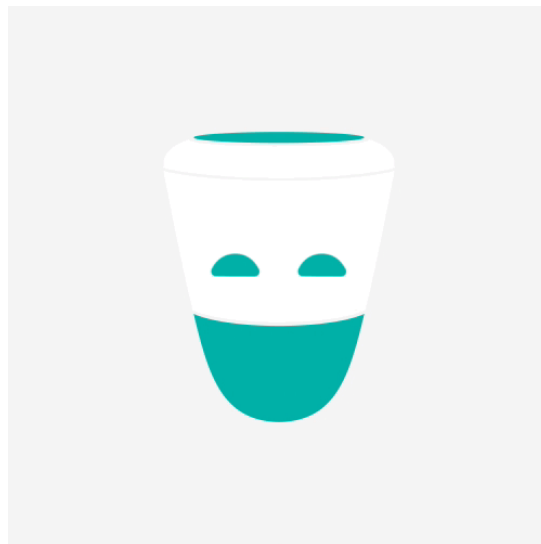
After you finished this second step, empty the solution into your sink.

TO FINISH

- 1) Clean your container with clear water.
- 2) Put back the sensors protection cap of your ICO.



- 3) Put back your ICO in the pool too.
- 4) Shake it lightly so that the product films left on the sensors can be diluted in your pool water.



Your sensors are calibrated