Oceanic O.i Wrist Dive Computer

Operating Manual

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Introduction

Welcome to the Oceanic O.i Wrist Dive Computer. The O.i is designed for all levels of diving, providing advanced features and intuitive operation to enhance your underwater experience.

> IMPORTANT: Before using this product, read this manual in its entirety together with the Safety Warning Leaflets (Part No. 02-21362 and 03-21362) supplied in the box. These leaflets contain critical safety warnings required under EN 250:2014 and Regulation (EU) 2016/425 on personal protective equipment (PPE). Retain all documents for future reference.

Getting Started

Recharging the Battery

The Oceanic O.i uses a rechargeable battery with induction charging. To wake up and fully charge your device for the first time, place it on the induction charger until fully charged. For more details on battery usage, replacement, and energy-saving features, see Battery and Power Management.

Your First Dive Starts Here

O.i is designed to give you a simple and seamless setup experience right out of the box.

The first time you power it on, O.i will guide you through a few essential steps to make sure your dive computer is ready — and personalized just for you.

1. Language Selection

When you turn on O.i for the first time, you'll be asked to choose your preferred language.

This ensures that all screens, prompts, and instructions are immediately easy to understand.

2. Connect with Oceanic+ (optional, but recommended)

After setting your language, you'll see a message recommending you to connect your device to the Oceanic+ app or the Oceanic WebApp.

Why connect?

By connecting, your O.i will automatically sync:

- Your preferred language

- Measurement units (imperial or metric)

- Your dive history and personal settings

You can download the Oceanic+ app from the App Store, or access the WebApp from any mobile or desktop browser at:

oceanicworldwide.com

This step is optional. You can always connect later.

3. Set the Time

O.i uses time data to precisely record your dives. You can choose one of three ways to set the time:

- Manually

You can enter the current time directly from the Settings menu.

- Automatically via GPS

Leave your O.i outdoors with a clear view of the sky. Within a minute, it will sync with GPS satellites and set the time automatically.

- Sync with Oceanic+

By connecting your device to the Oceanic+ app or WebApp, your O.i will instantly sync with your phone's clock.

4. Calibrate Your Compass

Before your first dive, you'll be prompted to calibrate the built-in compass to ensure precise navigation underwater.

Follow the on-screen instructions to complete calibration. The process takes just a few seconds.

5. Setup Complete

Once you've finished these steps, your O.i is ready to go.

A summary screen will confirm that:

 Language is set

 Time is synced

 Compass is calibrated

You’re ready to dive. Enjoy the journey.

Quick Introduction to the O.i User Interface

The main goal of the O.i project is to make all essential dive information simple, accessible, and user-friendly.

The device is designed to work with a NavDial—a navigation wheel that allows users to scroll through screens, navigate menus, and adjust settings effortlessly. Additionally, there is a central button referred to as the “side button.”

The side button offers different functions based on how long it’s pressed:

Quick press: Confirms actions or selects an option.

Press and hold (around 1 second): Exits the current selection.

Long press (over 3 seconds): Wakes up the device after a period of inactivity.

This intuitive setup makes it easy to move through the device’s features and settings, ensuring a smooth and straightforward user experience.

Accessing Dive Mode

To enter dive mode, you have two primary options:

Option 1: Turn on your computer and dive right in. The water contact sensor and the pressure sensor will automatically activate this mode.

Option 2: Once the device wakes up, navigate through the surface display to verify various settings. Manually enter dive mode. From that point, the unit will wait for a pressure change. If no variation is detected within 10 minutes, the unit will enter sleep mode.

Regardless of the option you choose, you'll end up on the Dive screen.

For all these functions, we recommend checking the settings first and ensuring that you are properly prepared, ready, and fit to dive.

Navigating the Scuba Dive Screen

When you’re on the Scuba Dive screen with a maximum depth of 1 m (3 ft), you can easily navigate through the settings menu and make adjustments. To do this, simply exit the dive view and use the NavDial and Side buttons to access the dive settings and adjust reference parameters as needed.

In this condition, the dive computer is in what’s called Shallow-Dive mode, which allows full access to all features even while submerged, as long as the depth doesn’t exceed 1 metre.

Once you go deeper than 1 m (3 ft), you won't be able to modify the dive settings anymore.

Display Zones (Scuba Mode)

The display is divided into two main zones:

- Upper Zone (Primary Communication): Always visible, showing key information like depth and no-decompression time.
- Lower Zone (Secondary Info Area): Offers multiple screens accessible via the NavDial, providing an intuitive experience similar to the Oceanic+ app.

The information displayed in the Secondary Info Area depends on the selected settings. For example:

- If the unit is paired with a transmitter, an initial screen with cylinder pressure data will be shown.
- For Nitrox dive planning, the secondary screens include additional technical information. Note: the O.i transmitter is CE-certified under EN 250:2014 for compressed air only; Nitrox mix support is a firmware planning feature outside the EN 250 certification scope.

At the end of all secondary screens, a summary of the most important settings for the current dive will be displayed.

Using the Compass

To access the Compass, turn the NavDial until you reach the Compass screen. The Compass supports precise underwater navigation by combining a fixed heading reference, a real-time deviation indicator, and an integrated Timer.

Setting a Heading

Press the Side button on the Compass screen to mark your current bearing as a heading. The heading is a fixed reference point — the direction you intend to follow — and remains locked on the compass display until you clear or update it. Press the Side button again to clear or set a new heading.

Deviation Indicator

Once a heading is set, rotating the compass in either direction displays two visual cues inside the graduated degree bar. A light blue strip appears within the bar, visually representing how far you have drifted from the marked heading — the wider the strip, the larger the deviation. At the same time, a directional arrow with a numeric value appears on the side of the bar closest to the marked heading, showing both the number of degrees you are off-course and

the direction you need to turn to realign. Use both indicators together to correct your bearing in real time and stay on course.

Integrated Timer

The Compass screen includes an integrated Timer, mirroring the functionality already available in the Oceanic+ app for Apple Watch. The Timer serves two roles:

1. Standalone dive timer — start it at any moment during the dive to measure elapsed time for any activity.

2. Navigation timer — once started, the Timer remains visible when you return to the Compass screen, so you can track heading and elapsed time simultaneously.

Underwater Navigation

By combining the heading, the deviation indicator, the Timer, and the depth trend shown in the primary display, you can perform complete underwater navigation: the heading keeps you on course, the deviation indicator shows how much you are off-course, the Timer measures how long you have been on each leg, and the depth trend informs whether you are ascending, descending, or holding depth. Together these tools enable a precise course-plus-time-plus-depth navigation strategy without leaving the Compass view.

This setup makes navigation straightforward and ensures you have all the critical information at your fingertips.

Alerts and Warnings

During your dive, O.i alerts you with haptics and visible animations for various conditions:

User-set alarms like target time or low no-deco time.

Ascent speed alarms, which display a red alarm if exceeded.

Operating Modes

Scuba Air Mode

This mode is used for standard air dives. The O.i will monitor depth, time, and decompression status.

Nitrox Planning Mode (outside EN 250 CE scope)

In Nitrox planning mode you can set the oxygen percentage of your gas mix up to 100%. IMPORTANT: this O.i unit's wireless pressure transmitter is CE-certified under EN 250:2014 for compressed air only. Use of Nitrox is outside the EN 250 scope and is the diver's responsibility. This mode allows for longer bottom times and reduced nitrogen absorption. For each additional cylinder you add and configure, the device independently calculates a different partial pressure of oxygen (PO2). We strongly recommend carefully checking the Maximum Operating Depth (MOD) calculated for each gas to ensure safe diving practices.

Enter Nitrox planning mode from the dive settings menu. (Outside EN 250 CE scope.)

Set the oxygen percentage (22% - 100%), set the PO2 and verify MOD for each gas mix individually

Gauge Mode

Gauge mode provides basic depth and time tracking without decompression calculations. It is suitable for technical dives where separate tables or computers are used for decompression management. Following dives in Gauge mode, scuba dives are not permitted for the next 48 hours unless the device is manually unlocked. This manual unlock should be used with caution, as it can be extremely dangerous if a diver is making multiple dives in the same day and clears the dive history, tissue saturation, and safety locks. We strongly recommend using the manual unlock only if the unit will be used by a different diver.

How to Dive with O.i: Step-by-Step

Pre-Dive Checks

Ensure the battery is fully charged.

Confirm the dive mode is set correctly.

Verify your gas mixture settings if planning Nitrox dives (outside EN 250 CE certification scope).

Check that the alarms are set according to your preferences.

During the Dive

Display Monitoring: Continuously monitor the display for current depth, elapsed dive time, and remaining no-decompression limit (NDL).

NDL Monitoring: The O.i provides real-time updates on your NDL. If you approach the limit, the device will alert you.

Decompression Dives:

If you exceed no-deco time, the O.i displays the required time at specific depths with clear graphics.

Failing to perform the required decompression stops will result in a **48-hour lockout**, indicated by a red card on the display.

Safety Stops:

At the end of your dive, **O.i** will recommend a **safety stop at 5 metres (15 ft) for 3 minutes** to help reduce residual nitrogen.

If your dive exceeds **30 m (100 ft)**, the safety stop is highly recommended for your safety.

The screen will show your **remaining stop time**, and a **"Safety Cleared"** message will appear once it's complete.

If you skip the safety stop, no penalties are applied. However, a **violation symbol** will be recorded in your dive log to remind you that following the safety stop procedure — especially after deeper dives — is strongly recommended.

Post-Dive Procedures

The dive is automatically saved in the O.i logbook.

Post-Dive Summary:

After surfacing, the O.i displays a summary of your dive, including surface time and no-fly time.

To view the dive on the Oceanic+ app:

Open the app and press the **"Sync Dive from O.i"** button.

Syncing with the app allows you to enrich your logbook with additional data, images, and the ability to share your dives.

You can also edit entry and exit positions and name your dives directly from the app.

Always check surface interval and no-fly time before planning new dives or air travel.

Dive Display and Information

The O.i display is designed to provide all crucial information clearly and accessibly during a dive.

Main Information

The top part of the display shows:

Current Depth: The depth at which the diver is located.

No Decompression Limit (NDL): The remaining time that can be spent at the current depth without requiring decompression stops.

When entering a decompression or safety stop, relevant information will be displayed at the top of the screen.

Secondary Information

The bottom part of the display allows changing secondary views by rotating the NavDial. Secondary information includes:

Compass: Displays direction for underwater navigation.

Computer Settings Summary: Overview of current device settings.

Cylinder Change: Screen to select and activate a different cylinder during the dive.

These secondary views offer flexibility and allow quick access to necessary information without interrupting the dive.

Secondary Information Customization (Dive Mode)

O.i allows you to customize the Secondary Information Area of the Dive display, giving you greater control over what information is shown during your dives.

This customization option is available from:

- Dive Settings > Customize Secondary View

From this menu, you can enable or disable specific secondary displays to better match your diving style and personal preferences.

Available options include:

- **Compass**
  - Enable or disable quick access to the integrated digital compass.
- **Gas Summary**
  - Displays a recap of all configured breathing gases currently in use during the dive.
- **Digital Dive Slate**
  - A virtual slate that allows you to display custom text during the dive.

Digital Dive Slate

The Digital Dive Slate is a customizable virtual notepad designed to keep essential information visible underwater.

Text for the Digital Dive Slate is created and edited directly in the Oceanic+ app or WebApp and then synced to the device. Once enabled, the slate can be accessed during the dive as part of the Secondary Information screens.

This feature allows divers to prepare notes before the dive and consult them underwater without interrupting the dive flow.

Typical use cases include:

- Instructors reviewing training steps or procedures
- Technical or working divers referencing task-specific information
- Recreational divers keeping reminders or dive objectives readily available

Alerts and Warnings

Deco Stop Violation

This alert is triggered if the actual depth is either more than 0.6 m (2 ft) shallower or deeper than the target stop depth. While this condition persists, the violation time counter continues to accumulate, and the remaining stop time counter is paused.

Deco Stop Missed

This alert is activated if the actual depth is more than 0.6m shallower than the target stop depth for over 180 seconds. This condition is considered a violation. Once triggered, it remains active until the current dive ends and a new dive begins.

Safety Stop Violation

A Safety Stop is recommended for dives deeper than 10 m (33 ft) and becomes mandatory for dives exceeding 30 m (100 ft). A violation occurs if the countdown timer isn't followed or if the diver doesn't stay within the safe depth range of 2.5 to 6 m (8 to 20 ft). If the diver remains above this range for more than 3 minutes, the safety stop is considered violated.

Ascent Speed Too High

This warning is triggered if the ascent speed is between 10–20 m/min (33–66 ft/min). When activated, a time penalty is calculated and added to the safety stop duration. The penalty duration increases proportionally based on how much the speed exceeds 12 m/min (40 ft/min).

Rapid Ascent

This violation is triggered if the ascent speed exceeds 20 m/min (66 ft/min) for more than 5 seconds. A time penalty is applied, which increases proportionally with speeds above 10 m/min (33 ft/min).

Below Maximum Depth

This alert is activated if the dive depth exceeds the maximum operating depth. This limit is dynamically calculated based on the current breathing gas mixture to ensure the PO2 remains within a safe threshold of 1.4.

Low NDL

This alert is triggered if the No-Decompression Limit (NDL) time falls below 5 minutes.

Deco Mode

This alert is activated when decompression stops become necessary.

Maximum PO2

This warning is triggered if the Partial Pressure of Oxygen (PO2) exceeds 1.4.

Maximum CNS Exceeded

This alert is activated if the Central Nervous System (CNS) exposure exceeds 80%. A CNS value above 80% is considered a warning, while a value above 120% is considered a violation.

Maximum OTU Exceeded

This alert is triggered if the Oxygen Toxicity Units (OTU) exceed 250. An OTU value above 250 is a warning, while a value above 300 is considered a violation.

Deco Stop Entered

This alert is activated when the diver reaches a decompression stop.

Safety Stop Entered

This alert is triggered when the diver reaches a safety stop.

Temperature Too Low

This alert is activated if the water temperature falls below the default threshold of 36°F (2°C).

No Fly Time

This dive computer follows DAN's recommendations for No Fly Time:

Single dive: 12 hours

Repetitive dives: 18 hours

Dives requiring decompression stops: 24 hours

If a decompression stop is missed, the No Fly Time will be set to 48 hours. In addition, a warning will appear on the screen, advising against diving for the next 24 hours.

Cylinder Change During Dive

The O.i supports cylinder change during the dive, allowing for proper gas consumption monitoring (If the cylinders are connected to transmitters) and keeping decompression information up to date. Follow these steps to safely and efficiently perform a cylinder change:

Pre-Dive Preparation:

- Ensure that all cylinders you will use during the dive are configured in the O.i menu before the dive begins.

> **NOTE:**
>
> - to read pressure, each cylinder must have a transmitter installed and paired with the O.i. (Check that the transmitter serial numbers are correctly entered in the cylinder settings)

During the Dive:

To select a different cylinder, go to the “Cylinder” secondary screen and enter edit mode by pressing the side button. (light blue background)

Use the NavDial to scroll to the desired cylinder.

Press the Side button to select the cylinder and then confirm your choice.

Gas Change Reminder:

The O.i will notify you when it's time to change gas to optimize the decompression profile.

Follow the instructions on the display to make the gas change at the appropriate time.

Important Notes:

Gas Configuration: Ensure that the gas configuration in the O.i matches exactly the gases you will use during the dive. Mismatch can lead to incorrect decompression calculations.

Safety: Do not change gas at inappropriate depths. Follow the O.i and your training instructions to ensure safe and proper gas change.

Pre-Dive Check: Before diving, verify that all cylinders are correctly configured and paired. Check gas levels and transmitter functionality.

No-Fly Time

After a dive, your body retains a certain amount of inert gas — primarily nitrogen — in the tissues. Flying too soon can lead to bubble formation due to the drop in cabin pressure, increasing the risk of decompression sickness. That's why it's essential to allow a proper surface interval before flying or traveling to higher altitudes, even by land.

Leading dive safety organizations, such as DAN, recommend waiting at least 12 hours after a single dive, 18 hours after multiple or multi-day dives, and a minimum of 24 hours after dives that required mandatory decompression or were particularly long.

Even though commercial aircraft are pressurized, cabin pressure is still lower than at sea level — roughly equivalent to being at 1,800–2,400 m (6,000–8,000 ft) of altitude. That reduction can be enough to trigger bubble formation in divers who haven't fully off-gassed.

Your dive computer takes this into account by dynamically calculating a personalized no-fly time based on your actual dive profile — including depth, duration, any use of enriched gas, and surface intervals. Once the dive is complete, you'll see a countdown on the display. When it reaches zero, flying is considered safe, though it's always a good idea to wait as long as possible, especially after deeper or more demanding dives.

Lastly, keep in mind that no algorithm can eliminate all risk. If you feel unusual symptoms or suspect incomplete decompression, don't fly — and consult a medical professional.

Dive Planning

Setting Dive Parameters

Access the dive planning menu.

Input your planned depth and bottom time.

Review the no-decompression limits provided by the O.i.

> **NOTE:**
> This functionality is also available on the Oceanic+ app for convenience.

Customization

Display Settings

Personalize your device by customizing a range of display options to suit your preferences. You can adjust the orientation of the NavDial to your preferred wrist position and select from multiple languages for the interface. Additionally, you can choose your preferred units of measurement (metric or imperial) and adjust how information such as date and time is displayed.

The device is equipped with a sensor that automatically detects the accurate UTC time. However, you will need to manually select your local time zone based on your current location.

Language Availability and Updates

The O.i dive computer is available in 15 languages. Additional languages may be introduced over time based on user demand, through updates.

Not all available languages are pre-loaded on the device.

From the Settings > Language menu, you can view the complete list of supported languages.

If a selected language is not currently installed on your device, O.i will display a message indicating that a language pack download is required.

To install additional languages:

Connect your O.i to the Oceanic+ app or WebApp

Follow the on-screen instructions to download and install the language pack update

Once the update is complete, the selected language will be available on the device.

> **NOTE:**

> Language updates are delivered through firmware updates and require a connection to the Oceanic+ ecosystem.

Set Water Type

To ensure accurate depth readings, your O.i Dive Computer lets you choose the type of water you're diving in. Water density affects how pressure is measured, and this setting helps fine-tune the depth display accordingly.

Choose from:

Fresh Water – common in lakes and rivers

Brackish Water – found in bays, lagoons, and river mouths (EN 13319)

Salt Water – typical of oceans and seas

> **NOTE:**
> This setting adjusts how depth is displayed.
> It does not affect tissue loading or decompression calculations.

Where to find it:

You can set the water type from the Dive Settings menu.

This option is separate from Scuba or Freedive settings and should be selected before you dive.

Saved with your dive:

The selected water type is automatically stored as part of your dive log and synced with your cloud account.

Connecting to the O.i Transmitter

> **WARNING**
>
> Certification under EN 250 for the pressure indication function applies exclusively to the use with compressed air.
>
> The use of the product with other breathing gas mixtures is considered user operational information and is not part of the PPE certification scope.

Installing and Pairing the O.i Transmitter

Install the O.i Transmitter:

- Attach the O.i Transmitter to a high-pressure (HP) port on the first stage regulator of your scuba cylinder.

Open the Cylinder Valve:

- This action will activate the O.i Transmitter.

Activate the O.i:

- If the O.i is in sleep mode, press any button to wake it up.

Pair the O.i Transmitter with the O.i:

- Follow the on-screen instructions for a simple pairing process. Each O.i Transmitter has a unique 6-digit code printed on its cover.
- Find the Serial Number: Within the dive computer or the app, locate the serial number of each O.i Transmitter you want to monitor.
- Pair the Transmitter: Assign the serial number to the corresponding cylinder settings.

Select the Gas Mix:

- From the menu, choose the appropriate gas mix for the paired O.i Transmitter.

Using Multiple O.i Transmitters

Repeat the pairing process for each additional O.i Transmitter.

Assign a different gas mix to each transmitter as needed.

Monitoring O.i Transmitter Data

On the Surface: Ensure that all O.i Transmitters are paired correctly and displaying accurate data before starting the dive.

During the Dive: Monitor cylinder pressure, remaining air time, and instantaneous air consumption on your O.i display.

Wireless Transmitter & Pressure Monitoring

Overview

Your dive computer can connect to one or more wireless cylinder pressure transmitters, allowing you to monitor your remaining air directly on your wrist. This connection is wireless and subject to range, signal quality, and environmental conditions.

Normal Behavior

When properly paired and in range, your dive computer displays current cylinder pressure and updates automatically every few seconds (typically every 5 seconds). You'll also see air time remaining and consumption rate, if supported.

Optimal Range

For the best performance, keep your dive computer within 1 m (3 ft) of the transmitter, ideally on the same side of your body. Avoid physical obstructions or gear that can create interference, such as scooters or camera strobes.

When the signal drops

If no data is received for 60 seconds, your screen will show a dedicated icon and alternate between the last valid pressure reading and a visual signal indicator.

At 90 seconds without signal, the pressure field will display "—".

At 90 seconds, the display changes to "NO SIGNAL" in red, and a haptic alert will activate to get your attention.

Automatic reconnection

As soon as the signal is restored, your pressure reading will return. To ensure accuracy, metrics like GTR and SAC will reactivate after approximately 30 seconds of continuous data. Alerts automatically turn off once valid pressure is displayed.

Pro tip

The simplest way to avoid signal loss is proper transmitter placement. If a drop occurs, bring your computer closer to the transmitter and make sure there are no sources of interference nearby.

Unchanging Pressure

If your cylinder pressure remains constant for more than 2 minutes during a dive, this could mean:

A cylinder change occurred but wasn't confirmed in the computer

The diver is no longer breathing from the cylinder (possible emergency)

A rare transmission issue is occurring

In this case, the computer will notify you with a message such as:

"No pressure drop detected. Did you switch cylinders?"

You can then confirm or correct your active cylinder settings if needed.

Multiple Cylinders and Transmitters

If you dive with more than one cylinder and transmitter, the computer can detect which cylinder is active based on pressure drop. If an unconfirmed switch is detected (a new cylinder starts losing pressure while the old one remains stable), you'll see:

"Switched cylinders? Tap to sync."

Follow the on-screen instructions to confirm the change and update your settings.

Important Reminders

Always pair and test your transmitter before diving.

Make sure your dive computer is securely worn and within range.

Signal interruptions are rare but can happen. The computer will always inform you clearly if data is missing or invalid.

> **NOTE:**
> This dive computer must only be used with the Oceanic Transmitter P/N 04.8000.02. Use of any other transmitter is not covered by the EN 250 certification.

Post-Dive Care for the O.i Transmitter

Rinse with Fresh Water: After each dive, rinse the O.i Transmitter thoroughly with fresh water. This should always be done with the transmitter installed on the first stage or, if removed, with the rubber cap securely in place. The rubber cap is only required if you remove the transmitter from the first.

Check Battery Status: You can check the transmitter's battery status by connecting it to your dive computer. When pressure is detected, the battery level is automatically checked. If the battery approaches a critical level, you'll receive a warning — typically about 10 dives before it reaches that point. As a general guideline, the battery should be replaced after approximately 200 dives or 2 years of use, whichever comes first.

Managing Multiple Transmitters

O.i supports the use of up to **three transmitters**, which can be saved in memory and assigned to different cylinders.

Before your dive, configure your cylinders in the O.i settings menu:

Cylinder 1 is always the **primary cylinder** and must be selected for any dive. It must have valid settings and is always active.

Each cylinder can be paired with **one unique transmitter**. You cannot assign the same transmitter to multiple cylinders.

You may dive without a transmitter, but in that case, cylinder pressure and gas consumption data will not be available.

Once transmitters are paired, their unique serial numbers are stored. These serial numbers are fixed and printed on the transmitter body. They cannot be renamed or edited.

During the dive, switching between cylinders updates decompression calculations and display information accordingly.

The system does **not automatically switch transmitters**—you must manually select the active cylinder when changing.

Cylinder Reserve Pressure Setting

To help ensure a safe dive, the computer lets you set a minimum cylinder reserve pressure. This value defines the threshold below which the remaining cylinder pressure is not factored into the Gas Time Remaining calculation or any related alerts.

By default, reserve pressure is typically set to 50 bar (725 psi), following the guidelines of major dive training organizations. However, you can customize this value based on your preferences, dive setup, or personal experience.

Example:

If you set your reserve at 50 bar (725 psi), the computer will only calculate your Gas Time Remaining down to that level. Once the threshold is reached, you'll be prompted to begin your ascent or take appropriate safety measures.

The unit of measurement (psi or bar) is based on your system settings.

You'll find the reserve pressure option in the Cylinder Menu, right after the configurations for Cylinder 1, Cylinder 2, and Cylinder 3.

What is Gas Rate?

Your computer tracks your Gas Rate, a simple way of showing how fast you're using your breathing gas during a dive.

Gas Rate is what many divers know as SAC (Surface Air Consumption), but we've made it easier to understand. Instead of focusing on technical terms, Gas Rate tells you — in clear language — how much gas you're using over time.

Why does this matter? Because your computer uses Gas Rate to estimate how long your cylinder will last at your current depth. This helps you plan your dive, manage your air more confidently, and enjoy the experience without worrying about complex calculations.

You don't need to set anything up. Your computer automatically measures your gas use and updates your remaining dive time in real time.

Gas Rate will change depending on what you're doing: swimming hard, staying still, or just feeling more relaxed. Over time, as you gain experience, you may notice your Gas Rate improving — meaning longer, more enjoyable dives.

Decompression Algorithm & Conservatism

The O.i dive computer uses the Bühlmann ZHL-16C algorithm with Gradient Factors—the same proven algorithm used in the Oceanic+ app and compatible Apple Watch devices. It's widely respected in the dive community for its accuracy and flexibility across different dive profiles and diver physiology.

What is Conservatism?

Conservatism reflects the level of safety margin a diver chooses to apply to their dive plan. A lower setting (0) allows for longer bottom times but results in higher inert gas loading. A higher setting (+2) reduces bottom time to minimize gas accumulation in tissues, offering a more cautious dive profile.

Available Settings

The system offers four options:

0 (Low) – Default setting; least conservative.

+1 (Medium) – Adds a layer of safety; suitable for recreational divers.

+2 (High) – Most conservative; recommended for higher-risk conditions.

Custom – Advanced option with user-defined Gradient Factors (e.g., 85/85, 70/85, 45/95).

> **NOTE:**
> This mode is recommended only for experienced divers or those trained in GF use.

> **WARNING**
>
> The Bühlmann algorithm allows the Surface Gradient Factor (GF Low) and Depth Gradient Factor (GF High) values to be adjusted independently using custom settings.
> Modifying the default Gradient Factor values requires a thorough understanding of decompression theory and proper training. Incorrect or inappropriate settings may significantly alter decompression calculations from those originally planned, validated, and tested, potentially increasing the risk of serious injury or death.
>
> Use this feature only if you fully understand the implications of changing Gradient Factor values. This functionality is intended for experienced and properly trained users only. If you are unsure, always use the factory default settings.

How it Compares to Other Oceanic Computers

Unlike earlier Oceanic models that used DSAT or Z+ algorithms, both Oceanic+ and the O.i computer rely on the Bühlmann algorithm. This may result in slight differences in no-decompression limits and ascent profiles. The move to Bühlmann reflects a modern approach focused on transparency and customizable decompression control.

Device Syncing

Conservatism settings automatically sync across the Oceanic+ app, Apple Watch, Dive Housing, and the O.i computer. Any changes made on one device are instantly shared across all platforms, ensuring consistency throughout your dive experience.

Pro Tip

To dive smarter and safer, choose your conservatism level based on your physical condition, training, and environmental factors. When in doubt, it’s always best to go with a more conservative setting.

Altitude

The O.i dive computer and the Oceanic+ app automatically adjust for changes in altitude—no manual input needed. Using a combination of the built-in barometer and GPS, the system detects your current elevation and adapts decompression calculations accordingly.

Why does altitude matter after a dive?

Traveling to higher elevations right after a dive increases the risk of decompression sickness (DCS). That's because atmospheric pressure drops at altitude, which can cause inert gases in your body to come out of solution more rapidly. The higher you go, the greater the risk. That's why the O.i continuously monitors elevation and will trigger restrictions if it detects a potentially unsafe ascent after a recent dive.

Altitude-related information shown on the device

After a dive, the device may display up to three altitude-related values:

Current Altitude: Your present elevation, determined by GPS and pressure sensors.

Maximum Allowed Altitude: The highest elevation you can safely reach based on your most recent dive profile and current tissue saturation.

Dive Altitude: The elevation where your last dive began and ended. This data is saved in the logbook.

Additional notes

Altitude adjustments are factored into decompression calculations in real time.

Altitude settings cannot be changed manually in either the device or the app.

If you're planning to fly or travel to high-altitude areas after diving, always check your device and follow the recommended surface interval for safety.

Maintenance Guidelines

To ensure the longevity of your O.i, follow these guidelines:

Rinse the device with fresh water after each dive to remove salt and other contaminants.

Avoid using detergents or chemical cleaners.

Part Replacement

Battery: The O.i Transmitter uses a rechargeable battery. Replace the battery every 200 dives or 2 years, whichever comes first.

Device Storage

Store the O.i in a cool, dry place away from direct sunlight.

Avoid exposure to ultraviolet radiation and intense heat.

Battery and Power Management

The O.i uses a sealed rechargeable battery designed for long-term performance and tested for waterproof integrity.

The battery is not user-replaceable. In case of performance issues or degraded capacity, contact Oceanic Customer Service. Only authorized service centers can safely open the device and replace the battery using proper tools and sealing procedures.

Battery Icon and Charging Status

A battery icon is always visible in the top-right corner of the screen, both on the surface and during dives.

When placed on a charger, the device shows a charging symbol. If in sleep mode, an animation confirms charging is active.

Battery status can be affected by ambient temperature, charging method, and screen brightness.

Battery Life and Charging Time

Battery life varies depending on use, especially backlight intensity and environmental brightness.

The O.i includes both **manual** and **automatic brightness adjustment**. We recommend using automatic mode to optimize visibility and battery efficiency based on ambient light conditions.

Manual Backlight Adjustment During a Dive

While underwater, the backlight level can be adjusted manually without leaving the dive view. Press and hold the side button for approximately 3 seconds to open the in-dive side menu, then use the NavDial to select the desired backlight intensity. A short press of the side button confirms the new level and returns to the primary dive display.

This manual adjustment applies to the current dive only and temporarily overrides the automatic brightness setting; the configured default is automatically restored at the end of the dive. Manual control of the backlight is useful in low-visibility environments, at night, or when a specific brightness level is preferred for readability.

Typical battery performance:

- **Standby mode**: Up to several months

Active use during continuous diving: approximately 20 hours per charge (up to 22 hours under optimal conditions)

The 20-hour figure represents nominal continuous diving use; outside of diving activity the battery may last considerably longer. Actual duration depends on backlight intensity, ambient temperature, GPS activity, and use of wireless connections.

Charging time may vary depending on the ambient temperature and battery condition. For optimal results, use a 5V 1A (5W) or 5V 2A (10W) charger and ensure the dive computer is properly centered on the charging surface to enable efficient energy transfer. In a standard office environment (around 20°C/68°F), charging from 20% to 80% typically takes about 30 minutes.

Power Saving

O.i is designed to optimize power. When inactive on the surface, it enters **Sleep Mode**, disabling the wireless connection and GPS to reduce consumption.

Charging Your O.i

You can charge your unit using the wireless charger included in the box, or with any standard Qi-compatible wireless phone charger.

For best performance, we recommend using the charger provided.

Charging through a computer USB port may not provide sufficient power.

For optimal and safe charging, use a wall adapter with a 5V 1A (5W) or 5V 2A (10W) output.

NOTE:

> Some laptops equipped with USB-C ports may not deliver enough power to charge the device. We recommend connecting the charger directly to a wall adapter rather than to a laptop USB port.

NOTE — Recovering from a deeply discharged battery:

> If the battery is extremely depleted, initial charging may be significantly slower than usual.

> If charging appears unusually slow or the device does not seem to respond, perform a Hardware Reset (press and hold the button for about 35 seconds to restart the system), then leave the O.i on the charging base using a 5V 1A (5W) or 5V 2A (10W) charger for at least 2 hours. This allows the battery to fully recover and stabilize.

Firmware Update

To keep your O.i up to date with the latest features, you can install the newest firmware using the Oceanic+ app or WebApp.

The device itself doesn't check for updates online, as it has no direct internet connection. Instead, the Oceanic+ app or WebApp will check if a firmware update is available.

How to update

Connect your O.i to the Oceanic+ app on your iPhone or to the Oceanic WebApp using a compatible browser (such as Chrome) at oceanicworldwide.com.

Go to the firmware update section.

If an update is available, the app will notify you.

Follow the on-screen instructions to complete the process.

What to know

Your device needs to have sufficient battery charge to begin the update.

The process takes about 3 minutes to complete.

If the update is interrupted, it will need to be restarted from the beginning.

There is no risk of damage to the device if the update is interrupted.

Always follow the instructions shown in the app or WebApp to complete the update successfully.

Using the Buttons

Your dive computer uses the same button interactions throughout the experience. Each button responds differently depending on how long you press it. This makes navigation simple and consistent: a quick press moves you forward, while a longer press takes you back. Some longer presses also control power and system functions.

Short press (less than 1 second): Accepts a choice or moves into the next page.

Long press (about 2.5 seconds): Returns to the previous screen without confirming a selection.

Power off (about 5 seconds): Turns off the device.

Hardware reset (about 35 seconds): Restarts the system. Use only when the computer is unresponsive.

Powering Off with an Active Wireless Connection

The dive computer will not complete the power-off procedure while a wireless connection to the Oceanic+ app or WebApp is active. If the standard 5-second press of the side button is performed under this condition, the unit returns to the main menu instead of switching off.

To power the device off, first close the Oceanic+ app on the paired smartphone or tablet, or disable the wireless connection on that device. Once the connection has been released, press and hold the side button for approximately 5 seconds as described in the Using the Buttons section to complete the power-off procedure.

A typical symptom of this behaviour is turning the NavDial to reach the power-off command and observing the unit return to the previous menu without switching off. This indicates that an active wireless session is preventing shutdown and is not a fault of the device.

Reset and Restore

O.i includes two types of reset options, designed to be used only when necessary.

Tissue Reset

You can reset tissue loading data directly from the device. This option should be used with caution, especially if multiple dives are planned in the same day. A tissue reset clears decompression information and should only be performed when switching divers or when absolutely necessary.

> **WARNING – Clear Tissue Loading**
>
> The Clear Tissue Loading function removes all residual inert gas loading from the decompression model.
> Using this function within 48 hours of a dive is extremely dangerous. Clearing tissue loading after a recent dive causes the dive computer to ignore any remaining inert gas in the body, which may result in incorrect decompression calculations and significantly increase the risk of decompression sickness, serious injury, or death.
> This feature is intended only when transferring the dive computer from one diver to another. It must never be used to continue diving after a recent dive.
>
> Only experienced and properly trained divers who fully understand the consequences of clearing tissue loading should use this feature. If you are unsure, do not use this function.

Factory Reset

A complete Factory Reset of the device — including settings, pairing information, dive logs, tissue loading data, and account association — can be performed using the Oceanic+ app or WebApp. This restores the dive computer to its original factory condition and is typically used before transferring ownership or reselling the device.

The procedure includes backup and restore options to help protect your data before resetting. Instructions for performing the Factory Reset will be shown directly in the app or WebApp. Always follow the on-screen guidance carefully and review the warning below before using this feature.

WARNING – Factory Reset

The Factory Reset function, available through the Web App and iPhone App, restores the dive computer to its original factory condition.
This operation permanently deletes all dive logs, clears all tissue loading information, erases user settings, removes the current account association, and returns the device to its factory default configuration. After a Factory Reset, the device must be set up again, including the complete onboarding process and account registration.
Performing a Factory Reset before continuing to dive on the same day is extremely dangerous, as the device will no longer contain any record of previous dives or residual tissue loading. This may result in incorrect decompression calculations and significantly increase the risk of decompression sickness, serious injury, or death.

This feature is intended solely to prepare the device for transfer to a new owner, such as before resale. It is not intended or recommended for use before further diving on the same day.

Technical Specifications

Depth Rating: 100 metres (328 ft)

Operating Temperature: Air: -6°C to +60°C (20°F to 140°F), Water: -2°C to +35°C (28°F to 95°F)

Battery Type: Rechargeable via induction

Dimensions: 85 x 58 x 22 mm (3.3 x 2.3 x 0.9 in)

Weight: 100 g (3.5 oz)

Firmware Version: V0.26 (Build 17d5378e) — see FW-ID Rev B

Operational States

Deep Sleep State: Default state upon purchase. Activate by pressing a button or recharging. Network functions including GPS are disabled.

Surface State: Activated after a prolonged button press or during recharging. Useful for changing settings before diving. Network functions including GPS are active.

Sleep Mode State: Activated after 10 minutes of inactivity or at the end of the "no-Fly" time after the last dive. Network functions including GPS are disabled.

Diving State: Divided into:

Shallow Submerge (0–1 m (0–3 ft) depth): Wireless connection off, GPS and wireless air integration active.

Deep Submerge (1–100 m (3–328 ft) depth): Wireless connection and GPS disabled, wireless air integration active.

Understanding Device States

O.i automatically manages power and state transitions based on your activity.

Dive State: When underwater, the device enters Dive mode automatically. The dive screen is active, and the system begins tracking your dive.

Surface State: After the dive, O.i remains active on the surface. All features are accessible, and the screen stays on.

Surface Saver State: A sub-state of the Surface State. The device reduces display brightness to save battery while keeping all features available. If no action occurs (such as entering the water or pressing a button), the device will transition from Surface Saver to Sleep Mode automatically.

Sleep Mode: After 10 minutes of inactivity on the surface (or Surface Saver State), the device enters Sleep Mode. The screen turns off completely to save power. You can wake the device by pressing and holding the button for about 5 seconds.

Hibernation: When fully powered down (such as when new or after extended inactivity), the O.i enters Hibernation. Waking from this state takes slightly longer.

To wake the device, simply press the button. To enter Dive mode, get in the water — O.i will take care of the rest.

Glossary

SAC (Surface Air Consumption): Rate of air consumption at the surface, measured in bar/min or psi/min.

GTR (Gas Time Remaining): Remaining air time, calculated based on current depth and air consumption rate.

NDL (No Decompression Limit): Maximum time that can be spent at the current depth without requiring decompression stops.

PO2 (Partial Pressure of Oxygen): A key parameter for dives using gas mixtures.

EUROPEAN UNION REGULATIONS

- EU type-examination (Module B) has been conducted by SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body No. 0598). EU Type-Examination Certificate No. 0598/PPE/26/1729 Issue 1, issued 1 June 2026, valid until 1 June 2031.
- The high-pressure gas sensing components are in conformity with EN 250:2014 – Respiratory equipment – Open-circuit self-contained compressed air diving apparatus – Requirements, testing and marking, specifically clause 6.11.1 (Pressure Indicator). The pressure indication function is designed to protect a trained diver from the risk of drowning.
- EN250:2014 defines minimum performance requirements for SCUBA equipment intended for use with compressed air only within the European Union.
- EN250 testing for the pressure indication function is conducted to a maximum certified depth of 50 m (165 ft).
- Within EN250:2014, the transmitter is classified as a pressure indicator component of a self-contained breathing apparatus and is therefore intended for use with air only.
- Products marked EN250 are intended exclusively for use with compressed air.
- **The Oceanic O.i Wrist wireless pressure transmitter is marked EN 250:2014 and is CE-certified (NB 0598) for compressed air only. Firmware-level Nitrox planning features are provided for diver convenience but are outside the scope of EN 250 conformity.**
- Products marked EN13949 are intended for use with breathing gases containing more than 22% oxygen (Nitrox) and must not be used with air.
- Depth and time measurements are in conformity with EN13319:2000 – Diving accessories – Depth gauges and combined depth and time measuring devices.
- The breathing air used must comply with EN 12021, which specifies allowable contaminants and gas composition for compressed air intended for breathing apparatus. This standard is equivalent to the U.S. Compressed Gas Association Grade E air specification.
- Electronic components comply with Directive 2004/108/EC (Electromagnetic Compatibility) and EN 61000-6-1, covering immunity requirements for residential, commercial, and light industrial environments.

- This product is a Personal Protective Equipment (PPE) subject to Regulation (EU) 2016/425. In accordance with this Regulation, the manufacturer (Oceanic / Huish Outdoors LLC) has drawn up a Declaration of Conformity. The signed Declaration of Conformity is available at the following functional URL: https://www.huishoutdoors.com/eu-declarations/
- Significance of markings: Products bearing the EN 250 marking are certified for use with compressed air only, to a maximum depth of 50 m (165 ft). Products bearing the EN 13949 marking are certified for use with breathing gases containing more than 22% oxygen (Nitrox) and must not be used with air. The CE marking indicates conformity with the applicable European harmonised standards and the PPE Regulation (EU) 2016/425.
- Standards applied: EN 250:2014 (Pressure Indicator, clause 6.11.1); EN 13319:2000 (Depth and time measurement); EN 12021 (Breathing air quality). The Oceanic O.i Wrist is subject to the conformity assessment procedure of conformity to type based on quality assurance of the production process (Module D), under surveillance of the Notified Body SGS Fimko Oy, Helsinki, Finland — Notified Body No. 0598 (the Accredited Legal Entity for CE 0598 certification). Operational delivery of the Module D audits is performed by SGS North America Inc. on behalf of SGS Fimko Oy under contract WW/MW/21188 (effective 28 April 2026). EU type-examination (Module B) was performed by SGS Fimko Oy, Notified Body No. 0598, under EU Type-Examination Certificate No. 0598/PPE/26/1729 Issue 1 (issued 1 June 2026, valid until 1 June 2031).
- Important safety information is also provided in the Safety Warning Leaflets supplied with this product (Part No. 02-21362 and 03-21362). Read and retain these leaflets. They contain additional warnings and handling instructions required by EN 250:2014 and Regulation (EU) 2016/425.

CAUTION:

- Transmitters marked EN250 are certified for use with compressed air only.
- Transmitters marked EN13949 are certified for use with Nitrox only.

MAINTENANCE AND SERVICE

The transmitter must be protected from: mechanical shock, excessive temperatures, chemical exposure, unauthorized tampering.

OPERATING CONDITIONS

Temperature Air: -6°C to +60°C (20°F to 140°F), Water: -2°C to +35°C (28°F to 95°F)

Exposure to excessive heat (e.g. direct sunlight or enclosed environments) may damage the device and is not covered under warranty.

Operating Depth

Designed and tested up to: 100 m (328 ft)

EN250 certified pressure indication depth: 50 m (165 ft)

CLEANING

After each dive day:

Rinse the transmitter and regulator assembly thoroughly in fresh water

Allow to dry completely before storage

WARRANTY

Refer to www.oceanicworldwide.com for full warranty details and product registration.

ANNUAL INSPECTION

Check calibration annually by comparing readings with a known accurate pressure gauge connected to the same gas source.

If significant deviation is detected, contact an authorized Oceanic dealer.

> **CAUTION:**
> Consult an authorized Oceanic dealer for any questions regarding service or product condition.

Declarations of Conformity

EU TYPE EXAMINATION CONDUCTED BY:

SGS Fimko Oy (Notified Body 0598)
Takomotie 8
FI-00380 Helsinki
Finland
EU Type-Examination Certificate No. 0598/PPE/26/1729 Issue 1
Issued 1 June 2026 — valid until 1 June 2031

Signed Declaration of Conformity – www.huishoutdoors.com/eu-declarations/

PRODUCTION QUALITY ASSURANCE (MODULE D) UNDER SURVEILLANCE OF:

SGS Fimko Oy (Notified Body 0598)
Takomotie 8
FI-00380 Helsinki
Finland
Module D contract WW/MW/21188 (effective 28 April 2026); operational delivery by SGS North America Inc. on behalf of SGS Fimko Oy.

Authorized Representatives

Huish Outdoors LLC (BARE Sports)
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Document Revision History

Rev H (31 July 2026) — User-operations update. Two new subsections were added to document existing device behaviours previously undocumented: (a) Manual Backlight Adjustment During a Dive, describing the 3-second side-button press that opens the in-dive side menu for manual backlight control; (b) Powering Off with an Active Wireless Connection, describing the interaction between the 5-second power-off press and an active connection to the Oceanic+ app or WebApp, and the procedure to complete shutdown. The Typical battery performance bullet was clarified to reference continuous diving use: nominal 20 hours per charge, with a maximum of approximately 22 hours under optimal conditions, replacing the previous generic “20–30 hours” range. No changes to certification scope, harmonised standards applied, or Declarations of Conformity. Author: A. Silvestri, Huish Outdoors Regulatory Affairs.
Rev G (21 July 2026) — Safety-warning update. Three new WARNING boxes added: (a) Custom Gradient Factors warning after the Custom conservatism setting; (b) Clear Tissue Loading warning within the Reset and Restore section; (c) Factory Reset warning within the Factory Reset subsection. The previous "Full Device Reset" subsection was merged into "Factory Reset" to eliminate duplication, since both described the same app-based operation. The "Set Water Type" section now cites EN 13319 next to Brackish Water. The "Secondary Info Customization" menu path was renamed to "Customize Secondary View" to match the current firmware UI. Author: A. Silvestri, Huish Outdoors Regulatory Affairs.
Rev F (2 June 2026) — Post-certification update. EU Type-Examination Certificate has been issued by SGS Fimko Oy (Notified Body 0598) on 1 June 2026: certificate reference 0598/PPE/26/1729 Issue 1, valid until 1 June 2031. The European Union Regulations section and the Declarations of Conformity section have been updated to cite the issued certificate reference, issue date and validity. The standards-applied paragraph in §28 has been updated accordingly. The functional URL to the signed Declaration of Conformity remains www.huishoutdoors.com/eu-declarations/. Author: A. Silvestri, Huish Outdoors Regulatory Affairs.
Rev D (21 April 2026) — Title updated to ‘Oceanic O.i Wrist Dive Computer’. Nitrox sections reframed to reflect that the O.i transmitter is CE-certified under EN 250:2014 for compressed air only; Nitrox mix support retained as a firmware planning feature outside the EN 250 scope. Module D production-control notified body corrected to SGS U.S. Testing Company, Inc. (SGS USA). Firmware version added to Technical Specifications (V0.26, Build 17d5378e). Author: A. Silvestri, Huish Outdoors Regulatory Affairs.
Rev E (30 April 2026) — Module D production-control notified body corrected. The Accredited Legal Entity for CE 0598 certification is SGS Fimko Oy (Helsinki, Finland), with operational delivery by SGS North America Inc. under contract WW/MW/21188 effective 28 April 2026. The Module D narrative in

§28 (Declarations of Conformity) now reads: "The O.i Wrist is subject to the conformity assessment procedure of conformity to type based on quality assurance of the production process (Module D) under surveillance of the Notified Body SGS Fimko Oy, Helsinki; Notified Body 0598." Author: A. Silvestri, Huish Outdoors Regulatory Affairs.

Rev C (15 April 2026) — Updates covering pressure transmitter compliance, EN 250:2014 referencing, and CE marking per SGS feedback.