

OCEANIC®



W I R E L E S S
T R A N S M I S S I O N



OVERVIEW

Withstands high pressure - making it perfect for the office - equally at home when worn with wetsuit or a three-piece suit. The Oceanic ATOM 2.0 is a sophisticated Personal Dive Computer featuring superior design and technology combined with Oceanic's trademark ease of use and customization. Don't be deceived by its small size -- this wristwatch format PDC powerhouse delivers all the bells and whistles you can imagine at the touch of a button. With Oceanic's wireless transmitter, the diver can monitor gas pressure from up to three independent cylinders – ideal for both technical diving applications and recreational diving with our new Buddy Pressure Check™ feature. The Oceanic ATOM 2.0 can be switched during the dive between up to three different Nitrox mixes containing 21-100% oxygen.

KEY FEATURES

- Watch, Air, Nitrox, Gauge and Free Dive Modes
- Advanced watch functions including alternate time zone, stopwatch, lap timer, daily alarm, and countdown timer
- Switch between up to 3 independent transmitters, tracking up to 3 Nitrox mixes to 100% O₂
- Buddy Pressure Check™
- Personal Conservative Factor Adjustment
- Custom Audible Alarms with Flashing Red LED light
- Alarm Acknowledgement®
- Adjustable safety stop time and depth
- Includes OceanLog® PC Download and Settings Upload Software and USB cable

DISPLAYS



MAIN (SURFACE)



MAIN (DIVE)



ALTERNATE 1



ALTERNATE 2



SAFETY STOP



BUDDY PRESSURE CHECK



MAIN (FREE-DIVE)



MAIN (GAUGE)

DETAILS



Wireless Air Integrated Technology

The ATOM 2.0 Wristwatch PDC is a sophisticated Personal Dive Computer featuring Oceanic's wireless air integration technology. A transmitter threaded into the first stage high-pressure port continuously sends cylinder pressure data to the wristwatch. Frequencies are individually coded to allow multiple divers to swim side by side without interference with other units, as well as allow advanced divers to monitor up to 3 independent cylinders. Because the transmitter and display module are independent and separately powered units, the receiver may also be easily used as a stand alone, non-air integrated dive computer.



Buddy Pressure Check™

Additional transmitters may be programmed for "SELF" or "BUD" for Buddy - when programmed for "BUD" - the ATOM 2.0 will search for and display pressure for transmitters that are within range (4-6 feet).



Free Dive Mode

The ATOM 2.0 provides accurate depth and time with an amazing 1-second sampling rate for subsequent PC download and analysis. Dive Time is displayed in seconds and minutes. Custom audible alarms include Elapsed Dive Time, Countdown Timer and (3) Independent Max Depth Alarms. The ATOM 2.0 calculates and tracks Nitrogen Tissue Loading – allowing users to alternate between SCUBA and Free Diving/Snorkeling.



Patented Air Time Remaining Algorithm

You're at 80 feet with 1300 psi remaining in your cylinder - how long before you need to begin an ascent to a shallower depth? Our patented Air Time Remaining feature calculates your current depth, breathing rate, cylinder pressure, ascent time, and decompression status to tell you exactly how much time you can remain underwater.

TIME



Dive Time Remaining

Dive Time Remaining, like Air Time Remaining provides a 'real' number in minutes, considering Air Time Remaining, Nitrogen and Oxygen absorption, and automatically displays whichever allows less time.

Oversized Digits

Take the Oceanic challenge: When shopping for a new dive computer, compare the displays. When it comes to viewing critical information, which would you rather see at 100 feet?



Turn-Around Pressure Alarm

The 'Turn-Around' Pressure Alarm is a unique patent-pending feature that allows you to pre-program an audible reminder when you reach 1000 to 3000 psi in 250 psi increments. This helps ensure that you return to your exit point with plenty of air.



Audible Alarms with Flashing LED Warning Light

The ATOM 2.0 features a variety of system and user-customized audible alarms, alerting you to situations that pose a potential danger, or simply serve as a convenient reminder.



Audible Alarm Acknowledgement™

Once triggered, the audible alarm will sound continuously for 10 seconds. We know what you're thinking. "That's nice, I'll definitely hear the alarm, but isn't that going to annoy me and everyone else in the water?" We thought of that too. The alarm's job is to get your attention so that you look at the computer. Once it does that, simply press the button and it will stop. You're a responsible diver and the ATOM 2.0 treats you that way.

Air, Nitrox or 100% Oxygen

The ATOM 2.0 acts simply as an 'Air' computer until you tell it otherwise, whether that is this weekend or 2 years down the road.



Switch between 3 Nitrox Mixes, to 100% Oxygen

As your training and experience grow, the ATOM 2.0 is designed to grow with you, being easily programmed for up to three individual gas mixtures containing from 21% to 100% oxygen.

Oceanic Personal Dive Computer Algorithm

Decompression theory can be trusted only as far as it has been demonstrated by actual test dive data. In 1987 Diving Science and Technology (DSAT) conducted a unique series of experiments. Commissioned by the Professional Association of Diving Instructors (PADI), these Doppler ultrasound monitored human experiments conducted by Dr. Michael Powell produced the most comprehensive data set that exists for recreational divers to this day. These data were used to validate the PADI Recreational Dive Planner and are the basis of the algorithm used in all Oceanic Personal Dive Computers (PDCs).



Personal Conservative Factor Adjustment

When the Conservative Factor is set On, the no-decompression limit times are reduced to values equivalent to those that would be available at the next higher 3000 foot (915 meter) altitude.



"The Ultimate Adjustable Algorithm"

That's the way divers, instructors and Authorized Dealers refer to Oceanic PDCs. Our tissue loading bar graphs provide complete control of your margin of safety for each dive. Want to be a bit more cautious? Make it a personal rule to never enter into the caution zone; or stay one or more pixel away. Now you can even program several of our PDCs to do it for you with our patent pending Nitrogen Bar Graph Alarm; set it once and let the ATOM 2.0 alert you when your bar graph reaches that level.



No Deco Safety Stop Prompt with Adjustable Depth and Time

An audible and visual alarm remind you as you approach your programmed no decompression safety stop depth and an automatic timer counts down to zero. As in any other dive mode, you still have access to other pieces of information, and there is no penalty should you choose to disregard the safety stop.

FastSet User Interface

Speed through menu items and set modes easily and quickly with Oceanic's FastSet Menu and intuitive button operation.

Date and Time

The ATOM 2.0 features time of day on the surface as well as underwater for quick reference. Time and date stamp also helps you to easily identify specific dives in Log Mode or PC download memory.



Alphanumeric Display

An alphanumeric "Message Box" is incorporated in the upper portion of the ATOM 2.0 display to provide text and numeric readouts in simple, unambiguous terms. Imagine beginning an ascent and as the ascent speed increases hearing a warning beep from the ATOM 2.0 as the message box alerts with the words "TOO FAST" while the red LED warning light flashes.



Automatic Altitude Compensation

The ATOM 2.0 automatically compensates for altitude dives up to 14,000 feet, giving adjusted no-decompression times and depths. The ATOM 2.0 automatically recalibrates the depth displays for freshwater above 2,000 feet.



Diver-Replaceable Batteries

The ATOM 2.0 and wireless transmitters feature diver replaceable batteries. This can be a real trip-saver on board a live-aboard boat! Should you be in a tight spot between dives, the "hot-swap" feature allows you to change batteries between dives while maintaining all calculations.

24-Hour Fly Countdown and Calculated Desaturation Time

The ATOM 2.0 features both a 24-hour countdown timer and calculated Desaturation Time, the theoretical time required to off-gas all residual nitrogen at sea level.

Depth-Dependent Ascent Rate

The ATOM 2.0 features a depth-dependant ascent rate, allowing increased rates at deeper depths and providing additional safety as you near the surface.



OceanGlo® Backlighting

OceanGlo's intense bluish green light illuminates the entire dial of the watch evenly at the push of a button. OceanGlo may be activated either on the surface, or underwater and remains on for button depression time plus the duration that you choose for a maximum of 20 seconds.



24 Dive On-Unit Log Book

The ATOM 2.0 features on-unit data storage capacity for 24 dives. Date and time stamp makes locating and viewing a specific dive quick and easy.



History Mode

History Mode displays accumulative information for up to 9999 dives, 9999 dive hours and the maximum depth achieved. History information is maintained indefinitely, even if the battery is replaced.



OceanLog® PC Download and Settings Upload Interface

Oceanic's ATOM 2.0 OceanLog PC Interface is an exquisitely detailed digital dive log. OceanLog allows you to easily transfer dive data from your ATOM 2.0 to your PC via a plug-in USB cable. In addition to detailed dive analysis, the ATOM 2.0 OceanLog PC Interface also allows you to quickly and easily set most of your user settings and options through your PC.



Gauge Mode

Divers using advanced breathing gas may utilize the ATOM 2.0 as an advanced air integrated digital depth gauge and bottom timer with detailed PC Interface.

Split Set Mode Access

To make easy work of customizing your ATOM 2.0, our user settings and options are organized in one of four set mode menus depending on application.

CONFIGURATIONS AND ACCESSORIES

PART NO.	DESCRIPTION	NOTES
04.8321.07	ATOM 2.0 COMPLETE	INCLUDES TRANSMITTER, BATTERIES, OCEANLOG SOFTWARE, USB CABLE, DOMED LENS COVER WITH BUTTON TABS, MYLAR LENS PROTECTOR, WRIST STRAP EXTENDER, AND BATTERY TOOL
04.8322.07	ATOM 2.0 WRIST UNIT ONLY	INCLUDES WRIST UNIT, BATTERY, DOMED LENS COVER WITH BUTTON TABS, MYLAR LENS PROTECTOR, WRIST STRAP EXTENDER, AND BATTERY TOOL
04.8000.02	TRANSMITTER ONLY	REPLACEMENT OR SECONDARY TRANSMITTER
04.8336	TRANSMITTER 2-PACK	INCLUDES (1) GREEN AND (1) YELLOW WIRELESS TRANSMITTERS
04.8220	LENS PROTECTOR	REPLACEMENT LENS COVER
04.6175.40	BATTERY KIT (ATOM 2.0)	REPLACEMENT BATTERY KIT INCLUDES BATTERY, O-RING AND SILICONE GREASE
04.6175.70	BATTERY KIT (TRANSMITTER)	REPLACEMENT BATTERY KIT INCLUDES BATTERY, O-RING AND SILICONE GREASE
04.9604	OCEANLOG USB CABLE	USB CABLE – COMPATIBLE WITH THE ATOM 1.0 AND 2.0 ONLY
04.9602	OCEANLOG USB CD-ROM	INCLUDES ALL CURRENT PROGRAMS, OPERATING MANUALS AND INTERACTIVE DEMOS (SOFTWARE MAY ALSO BE DOWNLOADED FREE FROM THE CONSUMER WEB SITE)