COMPUTERS — VT Pro

OCEANIC PRODUCT DATA SHEET

VT PRO

The VT Pro is one of the most advanced Personal Dive Computers available. The receiver is a fully functioning dive computer as a stand-alone unit. In addition to offering many user-defined settings and alarms, it can calculate decompression status, oxygen accumulation, maximum depths and times. A small transmitter mounts on a regulator first stage and transmits gas pressure data to the VT Pro receiver unit. Coupled with the transmitter, the VT Pro evaluates tank pressure, depth, and current breathing rate to display air time remaining expressed in minutes. The VT Pro comes complete with receiver, transmitter, batteries, owner's guide, waterproof cue card, and a protective dry box for storage and travel.

DIVE MODE DISPLAYS

The new VT Pro gives complete control of all dive data. Depending upon preference and dive situation, the user can choose between a number of display formats at any given moment.

KEY FEATURES

- MRF Wireless Transmission Technology
- Patented Air Time Remaining Algorithm
- Oversized Display
- Intuitive Graphic Diver Interface
- Choose From up to 5 Dive Mode Displays
- Air, Nitrox or Gauge Operating Modes
- Audible Alarm and Flashing LED with Alarm Acknowledgement
- Water Activation
- SmartGlo Backlighting
- Automatic Altitude Adjustment
- "Hot Swap" Diver Replaceable Battery
- Automatic Safety Stop Prompt
- Advanced User Settings & Options
- Simulator and Advanced Dive Planner

DETAILS

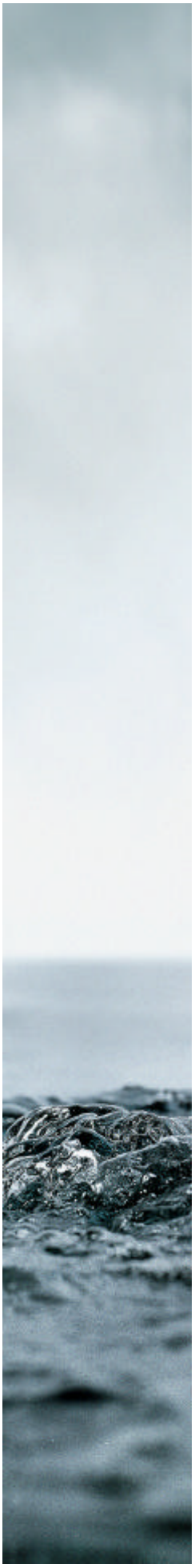
MRF Wireless Transmission - The VT PRO Receiver is a fully functioning dive computer as a stand-alone unit. Adding the MRF Wireless Transmitter provides cylinder pressure to the Receiver for Air Time Remaining calculations.

Patented Air Time Remaining Algorithm - The Air Time Remaining feature calculates current depth, tank pressure, your breathing rate, ascent time, and decompression status to tell you exactly how much time you can remain underwater. The VT PRO continually displays Air Time Remaining via a numerical bar graph in addition to cylinder pressure. You may also view Air Time Remaining in oversized digits at any time with the press of a button.

Oversized Display - 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?

Water Activation - Is it a good idea to check your computer before entering the water? You bet. Could you forget to activate your computer? Sure. The VT PRO features push-button or automatic activation, triggered by water contact. A benefit of push-button activation is easily verifying operation and cylinder pressure, but in case you forget, or simply choose not to activate your computer, it can be as simple as jumping in the water.

Audible Alarms with Flashing LED - The VT PRO 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.



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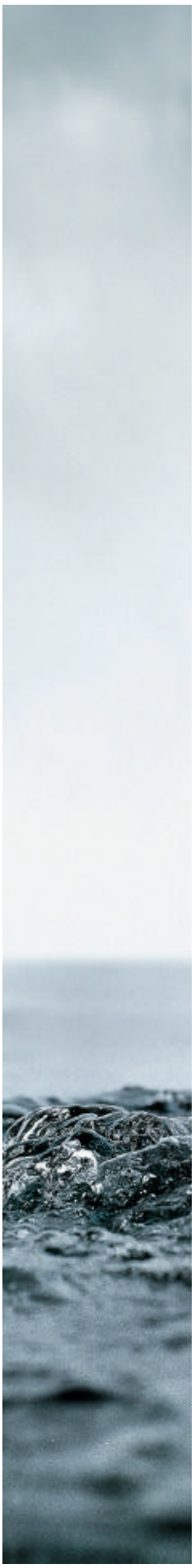
Alarm Acknowledgement - You won't miss the VT PRO's audible alarm. Once triggered, the alarm will sound continuously for 10 seconds. We know what you're thinking… "That's nice, I'll definitely hear the alarm, but isn't that going to annoy me and everyone else in the water?" We thought of that too. The 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.
Air, Nitrox and Gauge Modes - The VT PRO acts simply as an 'Air' computer until you tell it otherwise, whether that is this weekend or 2 years down the road. As your training and experience grow, the VT PRO is designed to grow with you, being easily programmed for Nitrox mixtures from 21% to 50%. Divers using advanced breathing gas mixtures or otherwise conducting planned dives beyond the operational limits of the computer may utilize the VT PRO as an advanced air integrated digital depth gauge and bottom timer with detailed PC Interface in Gauge Mode.
Automatic Safety Stop Prompt - A brief audible and visual alarm remind you as you approach 15 feet. An automatic 3-minute 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.
Intuitive Graphic Diver Interface - Using the recognizable logic of green, yellow and red color-coding in conjunction with bar graphs, the diver has at-a-glance information. As easy to understand as a traffic light, the Graphic Diver Interface helps you to easily monitor No-Decompression status, Oxygen Accumulation, Ascent Rate, and Air Time Remaining.
Dual Button Operation with FastSet Menu - Speed through menu items and set modes easily and quickly with Oceanic's FastSet Menu and intuitive dual button operation.
Automatic Altitude Compensation - The VT PRO automatically compensates for altitude up to 14,000 feet, giving adjusted no-decompression times and depths. They even automatically recalibrate the depth display for freshwater instead of seawater.
"Hot Swap" Diver Replaceable Battery - The "hot-swap" feature allows you to easily change batteries between dives while maintaining all calculations.
Depth Dependent Variable Ascent Rate Indicator - Some computers simply flash an icon, telling you that you're ascending too quickly. The VT PRO's Variable Ascent Rate Indicator bar graph acts as a speedometer, allowing you to very precisely control your ascent rate via the green, yellow, and red bar graph. The VT PRO features a depth-dependant ascent rate, allowing increased rates at deeper depths and providing additional safety as you near the surface.
SmartGlo Backlighting - Want to verify your set mode options before your night dive? Press the side button to activate the backlight and go ahead! A small photo-sensor in the face of the VT PRO analyzes the intensity of ambient light each time another button is pressed. If it's dark, SmartGlo backlighting will be there for you when you need it, and it will preserve battery life when you don't.
24 Hour Time to Fly and Calculated Desaturation Time - The VT PRO features both a dual 12-hour countdown timer and calculated Desaturation Time, the theoretical time required to off-gas all residual nitrogen at sea level.
Optional OceanLog PC Interface - The VT PRO features a watertight, plug-in serial connection for fast and reliable PC download. In addition to detailed dive analysis, the optional OceanLog PC Interface also allows you to quickly and easily set all of your VT PRO settings and options directly through your PC.
Simulator - Advanced simulator for function review or dive planning.
24 Dive Log Book - The VT PRO features on-unit data storage capacity for 24 dives.

USER SETTINGS & OPTIONS

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.
Ending Pressure Alarm - Air Time Remaining calculations are based on the 'Ending'



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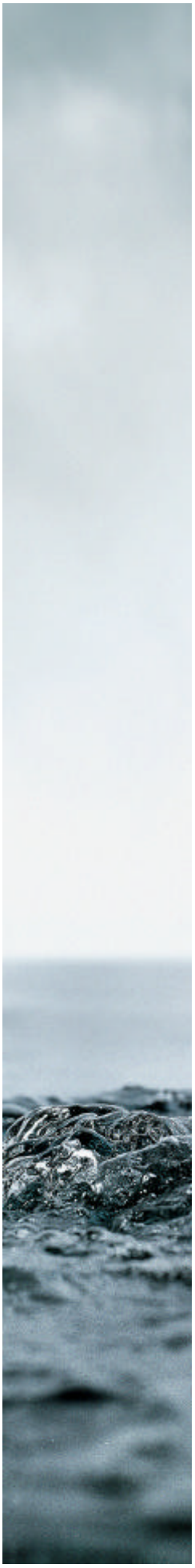
Pressure Alarm. You define how much air you want in reserve upon reaching the surface.
Air or Nitrox - The VT PRO acts simply as an 'Air' computer until you tell it otherwise, whether that is this weekend or 2 years down the road. As your training and experience grow, the VT PRO is designed to grow with you, being easily programmed for Nitrox mixtures from 21% to 50%.
Maximum Depth Alarm - The Maximum Depth Alarm provides an audible warning upon reaching your planned maximum depth. This is an important safety feature for deeper dives or less experienced divers, and it comes in handy for rebreather diving where you can pre-set another level of safety.
Elapsed Dive Time Alarm - You're on a boat trip and the captain says, "Dive your own profiles, but be back in an hour – we're having lunch!" Just set your VT PRO to alert you when your elapsed dive time reaches one hour.
Units of Measurement - Choose between Metric and Imperial settings for depth and pressure.
12/24 Hour Format - Choose between 12 or 24 hour time format, independent of Units of Measurement.
Time and Date - The VT PRO displays time of day on the surface as well as underwater for quick reference. Time and date stamp helps you to easily identify specific dives in On-Unit Log Mode or PC download memory.
Audible Alarm ON/OFF - You may choose to deactivate all audible and LED alarms.
Nitrogen Tissue Loading Bar Graph Alarm - Many divers have claimed in the past that Oceanic's Nitrogen bar graph design provides the ultimate user-adjustable computer. Want to be a bit more cautious? Make it a personal rule to never enter into the yellow caution zone, or stay one pixel away, or – you get the point. Now you can program the VT PRO to do it for you. Set it once and let your computer alert you when your bar graph reaches a pre-determined level.
Dive Time Remaining Alarm - Dive Time Remaining provides a 'real' number in minutes. This calculation considers both Nitrogen and Oxygen absorption, displaying whichever allows less time. With this unique VT PRO feature, you are able to program an audible alarm to alert you upon reaching a pre-set number in minutes.
Maximum PO2 Level (Nitrox) - When diving Nitrox, do you prefer your maximum PO2 exposure to be 1.2 ATA? 1.6 ATA? Depending on where you learned and your own personal comfort zone, the answer may be very different from diver to diver. The VT PRO lets you set your own limit. Program an audible alarm to sound at the level that you prefer.
FO2 50% Default ON/OFF (Nitrox) - Following a Nitrox dive, many dive computers calculate your next dive based on a "worse-case scenario", mix of 50% Oxygen and 79% Nitrogen should you forget to reset your actual mix. With FO2 50% Default OFF, your mix remains at the original set point until you change it again.
SmartGlo Backlight Duration - Would you like the backlight to shut off as soon as you release the button? Would you rather it remain on for 0, 3, or 7 seconds? We don't need to make these decisions for you; it's your choice.
PC Interface Sampling Rate - You have the option to choose at which rate (timed or depth transition) the VT PRO samples and stores data for later download to your PC. More frequent sampling will provide extreme detail of your dive profiles with limited storage capacity. Less frequent sampling, while it provides less detail, can store up to 250 dives!
Digital Gauge Mode ON/OFF - Activate Digital Gauge Mode for freediving or dives conducted beyond the limits of the computer.
Water Activation ON/OFF - Do you tend to keep your equipment in a wet dive bag longer than you should? Are you an Instructor or Divemaster in an environment where your gear is never dry? Would you like to disable the water activation feature? Now you can.
Link Code - The link code may be set to OFF when used without the MRF Wireless Transmitter. Unique 6-digit serialization codes enable multiple units to be used in close proximity of one another.



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SPECIFICATIONS

No Decompression Model

Basis

- Modified Haldanean Algorithm
- 12 Tissue Compartments

Database

- Diving Science and Technology (DSAT) - Rogers/Powell

Performance

- Tissue compartment half times (in minutes) Spencer's "M" values 5, 10, 20, 40, 80, 120, 160, 200, 240, 320, 400, 480
- Reciprocal subsurface elimination
- 60 minute surface credit control for compartments faster than 60 minutes
- Tissue compartments tracked up to 24 hours after last dive

Decompression Capabilities (stop ceilings)

- 10, 20, 30, 40, 50, and 60 feet (3, 6, 9, 12, 15, and 18 meters)

Altitude Algorithm and Oxygen Exposure Units

- Based on NOAA tables

Operating Temperature

- Out of water: between 20 degrees F and 140 degrees F (-6 and 60 degrees C)
- In the water: between 28 degrees F and 95 degrees F (-2 and 60 degrees C)

Power

- Display Module Battery: 1 - 3 vdc, CR2450 Lithium battery
- Transmitter Battery: 1 - 3 vdc, CR2, .75 Ahr Lithium battery (Duracell model DL-CR2 or equivalent)
- Shelf Life: Up to 5 years
- Replacement: User replaceable (annual recommended)
- Life Expectancy: 50 dive hours (if 1 - 1 hour dive per dive day) to over 150 dive hours (if 3 - 1 hour dives per dive day)