

## COMPUTERS—VEO 180



### VEO 180

The new VEO 180 is a perfect example of what Oceanic does best; perfectly combining advanced features and user options with intuitive design that even a first time computer user can master in minutes.

### DIVE MODE DISPLAYS

The new VEO 180 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

- Oversized Display
  - Modular "Hockey Puck" Design
  - Intuitive Graphic Diver Interface
  - Choose From up to 3 Dive Mode Displays
  - Air, Nitrox or Gauge Operating Modes
  - Audible Alarm
  - Water Activation
- Automatic Altitude Adjustment
  - "Hot Swap" Diver Replaceable Battery
  - Automatic Safety Stop Prompt
  - Advanced User Settings & Options

### DETAILS

**Modular "Hockey Puck" Design** - Allows easy upgrade from most analog gauge or computer consoles. The module may be easily packaged with our Combo or Navcon consoles, wrist mount, hose-mount boot, or a retractor attached to your BC.

**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 30 metres?

**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 VEO 180 features push-button or automatic activation, triggered by water contact.

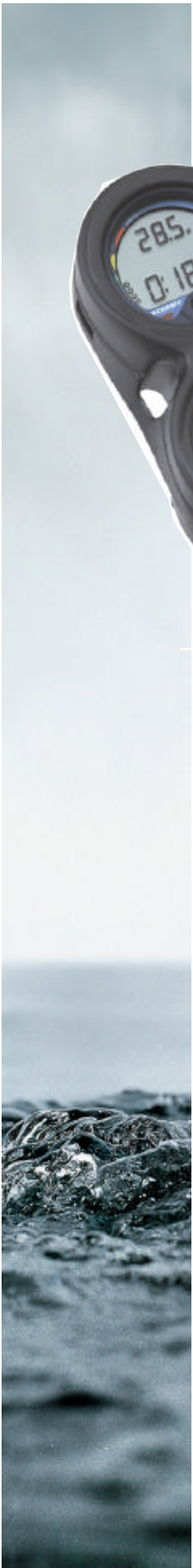
**Audible Alarm** - The VEO 180 features a variety of system and user-customized audible alarms, alerting you to situations that pose a potential danger, or simply serve as a convenient reminder.

**Air, Nitrox and Gauge Modes** - The VEO 180 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 VEO 180 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 VEO 180 as an advanced 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 5 metre. 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 and Ascent Rate.

**Automatic Altitude Compensation** - The VEO 180 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 VEO 180'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 VEO 180 features a depth dependent ascent rate, allowing increased rates at deeper depths and providing additional safety as you near the surface.

**24 Hour Time to Fly and Calculated Desaturation Time** - The VEO 180 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 VEO 180 features a watertight, plug-in serial

## USER SETTINGS & OPTIONS

**Air or Nitrox** - The VEO 180 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 VEO 180 is designed to grow with you, being easily programmed for Nitrox mixtures from 21% to 50%.

**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 VEO 180 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.

**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 VEO 180 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.

**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.

## 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**

- Module Battery: 1 - 3 vdc, CR2450 Lithium battery
- 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)