

**FEATURES & FUNCTIONS**
**DATAMASK**
**ATOM 2.0**
**VT3**
**PRO PLUS 2**
**GEO**
**VEO 250**
**VEO 180 Nx**
**VEO 100 Nx**

Model Type	Wireless, Air Integrated	Wireless, Air Integrated	Wireless, Air Integrated	Air Integrated	Wrist Watch	Module	Module	Module
Modes of Operation	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, and Gauge	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, and Gauge	Air, Nitrox, and Gauge	Air and Nitrox
Operating Buttons	2	4	3	2	4	2	1	1
Mounting Options	Mask	Wristwatch	Wrist/Retractor	Console	Wristwatch	2 or 3 Gauge Console, Wrist, Hose Mount, Retractor, Module	2 or 3 Gauge Console, Wrist, Hose Mount, Retractor, Module	2 or 3 Gauge Console, Wrist, Hose Mount, Retractor, Module
Activation	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button
Digital Watch Functions	N/A	Time, Alternate Time, Countdown Timer, Stop Watch, Daily Alarm	N/A	N/A	Time, Alternate Time, Countdown Timer, Stop Watch, Daily Alarm	N/A	N/A	N/A
Algorithm Basis	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database
Conservative Factor Adjustment	YES	YES	YES	NO	YES	NO	NO	NO
Altitude Algorithm Basis	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA
O2 Limit Basis	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA
Tissue Compartments	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)
Automatic Altitude Adjustment	YES	YES	YES	YES	YES	YES	YES	YES
Decompression Capability	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m
Automatic Safety Stop Prompt	YES	YES	YES	YES	YES	YES	YES	YES
Cylinder Pressure and Air Time Remaining	YES	YES – UP TO 3 TRANSMITTERS	YES – UP TO 3 TRANSMITTERS	YES	NO	NO	NO	NO
Gas Switch / Buddy Pressure Check	NO	YES	YES	NO	NO	NO	NO	NO
Audible Alarm	YES	YES	YES	YES	YES	YES	YES	NO
Ascent Rate Maximum	30 fpm (<60 ft) 60 fpm (>60 ft) 9 mpm (<18 m) 18 mpm (>18 m)							
Backlight	YES	YES	YES	YES	YES	YES	YES	NO
Diver Replaceable Batteries	YES	YES	YES	YES	YES	YES	YES	YES
Battery Type	CR2 / CR2	CR2430 / CR2	CR2450 / CR2	CR2	CR2430	CR2450	CR2450	CR2450
Battery Life*	160 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS
Battery Hot Swap	YES	YES	YES	YES	YES	YES	YES	YES
Calendar / Clock	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	TIME
Operating Depth (Max)	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m
Operating Depth (Free/Gauge)	330 ft/100 m	330 ft/100 m	399 ft/120 m	330 ft/100 m	330 ft/100 m	399 ft/120 m	399 ft/120 m	N/A
Time to Fly Countdown	YES	YES	YES	YES	YES	YES	YES	YES
Desat Countdown	YES	YES	YES	YES	YES	YES	YES	YES
High O2 Alarm/Warning	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU	300/240 SOTU/DOTU
High PO2 Alarm / Warning	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting
On-Unit Log Capacity	24 DIVES	24 DIVES	24 DIVES	24 DIVES	24 DIVES	24 DIVES	24 DIVES	12 DIVES
PC Interface	INCLUDED	INCLUDED	INCLUDED	OPTIONAL	INCLUDED	OPTIONAL	OPTIONAL	NO
PC Settings Upload	INCLUDED	INCLUDED	INCLUDED	OPTIONAL	INCLUDED	OPTIONAL	OPTIONAL	NO
Download Memory Capacity	512K**	512K**	512K**	256K**	512K**	256K**	256K**	N/A
Pre-Dive Planning Sequence	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	SCROLL	SCROLL
Alpha-Numeric Message Box	YES	YES	YES	NO	YES	NO	NO	NO
On-Unit Simulator	NO	NO	NO	YES	NO	YES	NO	NO

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Temperature Display	YES	YES	YES	YES	YES	YES	YES	YES
Tissue Loading Bar Graph	YES	YES	YES	YES	YES	YES	YES	YES
Variable Ascent Rate	MESSAGE BOX	MESSAGE BOX	MESSAGE BOX	BAR GRAPH	MESSAGE BOX	BAR GRAPH	BAR GRAPH	BAR GRAPH
No Decompression Time Remaining Display	YES	YES	YES	YES	YES	YES	YES	YES
Air Time Remaining Display	YES	YES	YES	YES	NO	NO	NO	NO
Set "Turn" Pressure Alarm	YES	YES	YES	YES	YES	NO	NO	NO
Set "End" Pressure Alarm	YES	YES	YES	YES	YES	NO	NO	NO
Set FO2 (%) Gas 1	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%
Set FO2 (%) Gas 2	N/A	OFF, 21-100%	OFF, 21-100%	N/A	N/A	N/A	N/A	N/A
Set FO2 (%) Gas 3	N/A	OFF, 21-100%	OFF, 21-100%	N/A	N/A	N/A	N/A	N/A
Set Audible Alarm On/Off	YES	YES	YES	YES	YES	YES	YES	NO
Set Max Depth Alarm	YES	YES	YES	YES	YES	YES	NO	NO
Set Elapsed Dive Time Alarm	YES	YES	YES	YES	YES	YES	NO	NO
Set Maximum Nitrogen Tissue Loading Bar Graph Alarm	YES	YES	YES	YES	YES	YES	NO	NO
Set Conservative Factor	YES	YES	YES	NO	YES	NO	NO	NO
Set Dive Time Remaining Alarm	YES	YES	YES	YES	YES	YES	NO	NO
Set Units Of Measurement	YES	YES	YES	YES	YES	YES	YES	YES
Set Time Format (12/24 Hour)	YES	YES	YES	YES	YES	YES	YES	YES
Set Time of Day	YES	YES	YES	YES	YES	YES	YES	YES
Set Date	YES	YES	YES	YES	YES	YES	YES	NO
Set Maximum PO2 Alarm	YES	YES	YES	YES	YES	YES	YES	YES
Set FO2 50% Default	YES	YES	YES	YES	YES	YES	YES	YES
Set Backlight	DURATION/INTENSITY	DURATION	DURATION	DURATION	DURATION	DURATION	N/A	N/A
Set Safety Stop Time and Depth	YES	YES	YES	NO	YES	NO	NO	NO
Set Sampling Rate (Download)	YES	YES	YES	YES	YES	YES	NO	N/A
Set Digital Gauge Mode On/Off	MODE SELECTION	MODE SELECTION	MODE SELECTION	YES	MODE SELECTION	YES	YES	N/A
Set Water Activation On/Off	YES	YES	YES	YES	YES	YES	YES	YES
Set Free Dive Countdown Timer	YES	YES	YES	N/A	YES	N/A	N/A	N/A
Set Free Dive 30 sec. Elapsed Dive Time Alarm	YES	YES	YES	N/A	YES	N/A	N/A	N/A
Set Free Dive Max Depth Alarm 1	YES	YES	YES	N/A	YES	N/A	N/A	N/A
Set Free Dive Max Depth Alarm 2	YES	YES	YES	N/A	YES	N/A	N/A	N/A
Set Free Dive Max Depth Alarm 3	YES	YES	YES	N/A	YES	N/A	N/A	N/A

\*Battery Life: Battery life estimates are based on full-capacity batteries, and continuous usage as described.

7 days per week / 2 dives per day / 1 hour dive time / 2 hour surface interval / 18 hour interval from last dive to the first of the next day. DATAMASK is calculated with the Backlight on continuously.

\*\*Oceanic Personal Dive Computers have user selectable Sampling Rates that determine when data is sampled and stored for subsequent download to associated PC interface programs. More frequent sampling provides more data per dive yet results in storage of fewer dives for download. Use with Air or Nitrox, with or without air integration, dive profiles, Free Diving activities, and other variables may also affect the number of dives that can be stored.

Sampling Rate Options	256K Memory Capacity	512K Memory Capacity
60 seconds	50-60 Hours	100-110 Hours
30 seconds	25-30 Hours	50-55 Hours
15 seconds	12-15 Hours	25-30 Hours
2 seconds	1.5-2 Hours	4-5 Hours
1 second (Free Dive Mode only)	N/A	1.5-2 Hours