

Anton Swanepoel ∞ Dive Computers

# *Dive Computers*

*An in depth study on how  
dive computers work*

*From dive computer history and algorithms  
to decompression and deep stop calculations,  
including the affects of gasses on the body*

*By Anton Swanepoel*

*From basic Air computers to Multi-  
gas Tri-Mix and CCR computers.*



# Dive Computers

The purpose and aim of this book is to help you in understanding how dive computers work, including calculations on decompression stops, deep stops, ascend ceiling, on- and off-gassing, RGBM, VPM and gradient factors.

To do that we will first learn why we need to monitor our time underwater, and what a dive computer actually does. We will look at some of the different algorithms that are used in dive computers, their advantages and disadvantages.

Decompression is covered in detail with examples, including deep stops and decompression ceilings, both fixed and variable. The different dive computers sold are covered, including the four basic styles found: wrist computers, console computers, computer watches and mask computers; each with or without air integration options; some are more suited for shallow diving, while others are more suited to deep technical diving.

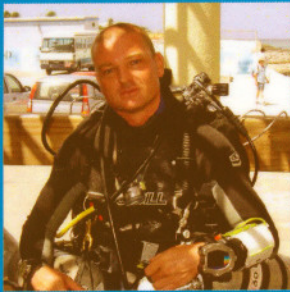
Different functionalities found on modern dive computers and their intended uses are also covered including choosing the best and correct dive computer(s) for your needs, and getting the most of the dive computer(s) you have or choose to buy.

Understand your dive computer, it's what keeps you safe.

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## About the Author

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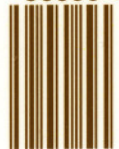
*Anton Swanepoel is a diving instructor for IANTD, TDI, NAUI and PADI. He is an OC Tri-Mix instructor and a Tri-Mix gas blender instructor. He has dove OC to over 400ft and has a passion for wreck, cave and deep diving.*

*Although he dives both CCR and OC, his passion is in OC. Working as a technical instructor in a busy dive centre in the Caribbean, he gets to live his passion.*

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