

DecoSoftX1 Specification

| | | |
|--|---|---|
| Max Depth | - | 990ft; 300m |
| Elevation | - | Auto-adjust to pressure indicated by X1 sensor |
| Dive start | - | 4 fsw if wet sensors are wet |
| | - | 8 fsw if wet sensors are not wet |
| Dive stop | - | Automatically 5 minutes after reaching 3fsw |
| | - | By menu choice upon reaching 1.5fsw |
| Defined Gases | - | 20 separate diver-defined gases available during dive |
| OC gases | - | 10 gases allowed “enabled” at any time |
| CCR gases | - | 10 diluent gases allowed “enabled” at any time |
| Setpoint switches | - | 5 planned setpoint switches allowed at any time |
| Deco Plans | - | Two plans “A” & “B” running concurrently |
| | - | Each plan modifiable at any point during the dive |
| | - | Switch between the plans, and back, at any point in dive |
| Deco Algorithms | - | Gradient Factor |
| | - | VPM-B |
| | - | VPM-B/R; tail controlled by critical radius hyper-expansion during shallow phase of dive to add conservatism to tail |
| | - | VPM-B/GF; allows more conservative of VPM-B or GF |
| | - | Plans A & B choose methods independently so VPM and GF can run concurrently as diver chooses |
| | - | Gradient factors can be modified at any point during dive |
| | - | VPM settings can be modified at any point in dive |
| Risk Metrics | - | Real-time gradient factors displayed indicating diver’s tissue state relative to Buhlmann’s M-Values; Predictive ascent gradient factor shows effect of ascending 10fsw/3msw from current depth. |
| Repetitive dive, Multiple dive, Reverse profile | - | Optional adjustments applied to add conservatism to divers performing repetitive, multi-day, and reverse profile dives |

CNS Management - Tracks exceptional exposures; auto-clocks begin/end for high PO2 and low PO2 (i.e. "breaks")

XSpot System - Allows diver's to associate a muscle-memory position - a spatial orientation of the X1 - to a request for dive information. (Patent Pending)

DecoSoftX1 Dive Recording Capacity

| X-Link Attached? | Recording Interval | | |
|-------------------------|---------------------------|------------------|------------------|
| | <i>1 second</i> | <i>2 seconds</i> | <i>4 seconds</i> |
| <i>No</i> | 275 hrs | 450 hrs | 850 hrs |
| <i>Yes</i> | 150 hrs | 250 hrs | 450 hrs |

*results estimated based on actual dives; your results may vary

** maximum number of dives is 704

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