decobuilder

Diving Technologies Development Platform

Develop & optimize decompression models

INNOVASUB

Simplifying Diving Technology

Product Overview

The **INNOVASUB DecoBuilder** is an application to implement decompression models. It runs on iOS (iPhone/iPod etc.), Android and turn the mobile devices to a programmable dive computer.

The DecoBuilder application can be used in real dives or can process the virtual dive data sent (by DecoMate* or any other application).

This application comes with 4 different algorithms and allows the user to create new decompression models with a dynamic number of tissue compartments. The application enables the user to modify tissue perfusion parameters and super saturation tolerances as well.

The INNOVASUB DecoBuilder application has all the features of the DepthMonitor** application. Additionally, it allows the user to modify tissue perfusion parameters such as adrenals, kidneys, thyroid, heart, muscle, liver, skin, etc. Users can alter these variables and test the results not only on the surface connecting to DecoMate but also underwater, using a DivePhone® Housing and an External Module.

* INNOVASUB DecoMate is a device that plugs into your computer and simulates a dive to test your decompression algorithm. Application compatible with Windows and MAC operating systems. See DecoMate Technical brochure for further details.
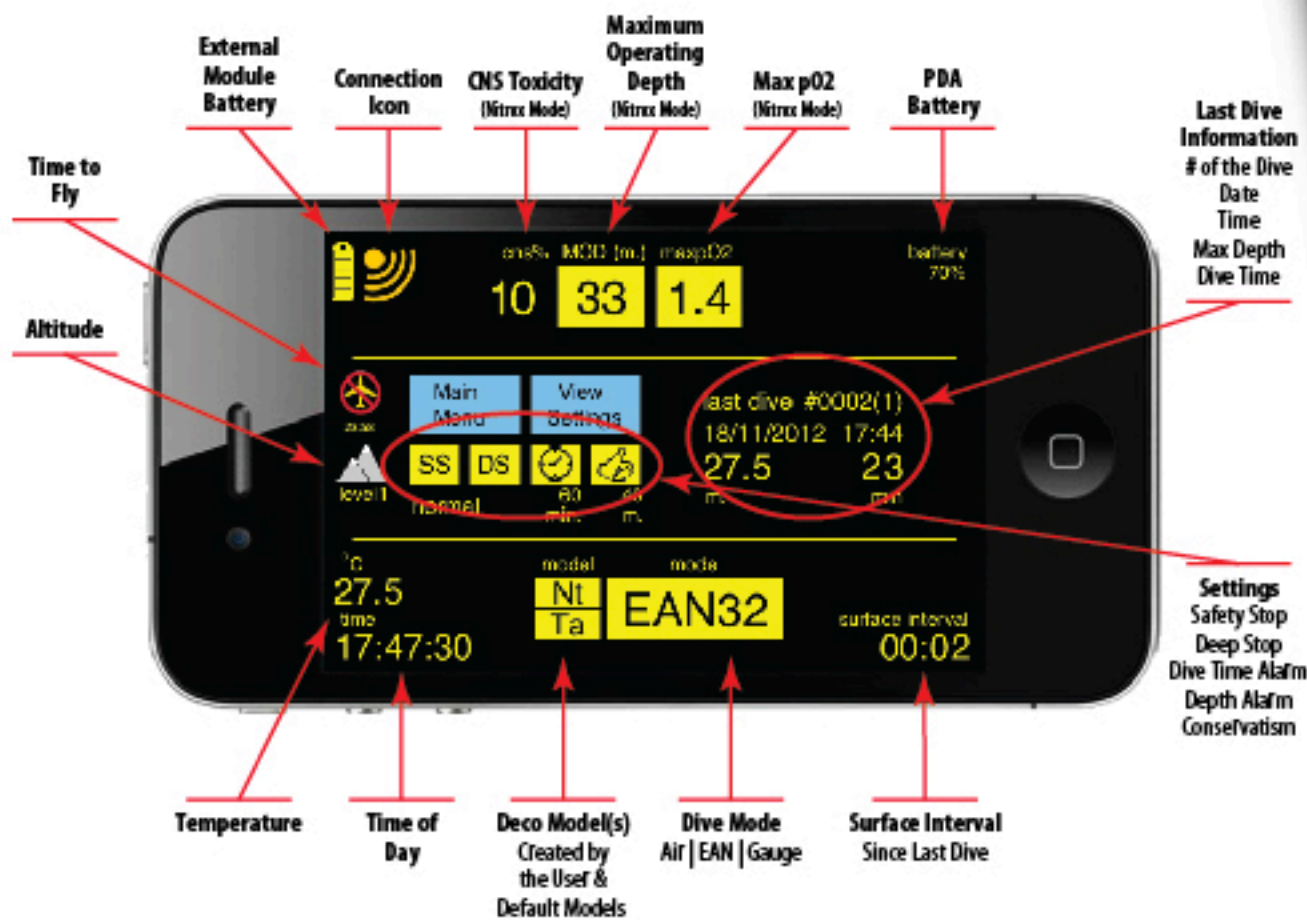
** INNOVASUB DepthMonitor is an exclusive application for Divephone. It turns a mobile device to highly sophisticated dive computer. See iTunes or Google Play for more information.

Surface Main Screen

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Time to Fly

Altitude

External Module Battery

Connection Icon

CNS Toxicity (Nitrox Mode)

Maximum Operating Depth (Nitrox Mode)

Max pO2 (Nitrox Mode)

PDA Battery

Last Dive Information
of the Dive
Date
Time
Max Depth
Dive Time

cns% MOD [m] maxpO2
10 33 1.4

Main Menu   View Settings

SS DS

last dive #0002(1)
18/11/2012 17:44
27.5   23
m.   min.

°c
27.5
time
17:47:30

model   mode
Nt
Ta   EAN32

surface interval
00:02

Settings
Safety Stop
Deep Stop
Dive Time Alarm
Depth Alarm
Conservatism

Temperature

Time of Day

Deco Model(s)
Created by the User &
Default Models

Dive Mode
Air | EAN | Gauge

Surface Interval
Since Last Dive

Features

- Compatible with any mobile device that runs on iOS or Android.
- Creates models with a dynamic number of tissue compartments.
- Modifies tissue perfusion parameters and super saturation tolerances.
- Full dive simulations adjusting depth with touch-screen and time acceleration.
- Multi algorithm selection.
- Run two algorithms simultaneously.
- Real time dive profile.
- Complete dive information on one screen.
- Up to three deco stops displayed instead of ceiling only.
- Touch screen menu navigation and adjustments.
- Detailed end-of-dive reports.
- Unlimited dive logging.
- E-mail dive logs.
- Multi-language support (for Android).
- Easy upgrades and many other advantages through the mobile device's computing and graphic capacity.

DivePhone

The Divephone System consists of a housing for mobile devices (smartphone, palmtop computer, Personal Digital Assistant-PDA), an external module collecting the ambient dive-related data and the DepthMonitor application installed on the mobile device.

The external module wirelessly sends dive data to mobile device. The DepthMonitor application uses the data to make the mobile devices function as a next level dive computer.

Visit www.innovasub.com for detailed information about Divephone®

Order References & Options

Reference	Product
DB-DROID	DecoBuilder app for Android
DB-IOS	DecoBuilder app for iOS