

Localisation sous-marine

DNC 100

Système de localisation pour plongeurs

- AUTONOMOUS NAVIGATION
- SMALL AND LIGHTWEIGHT
- RUGGED AND WATERPROOF TO 30 METERS



The DNC-100 Diver Navigation Platform is a small and rugged platform which allows a diver to navigate underwater autonomously without the need for acoustic baselines or floating GPS antennas. Completely self-contained,

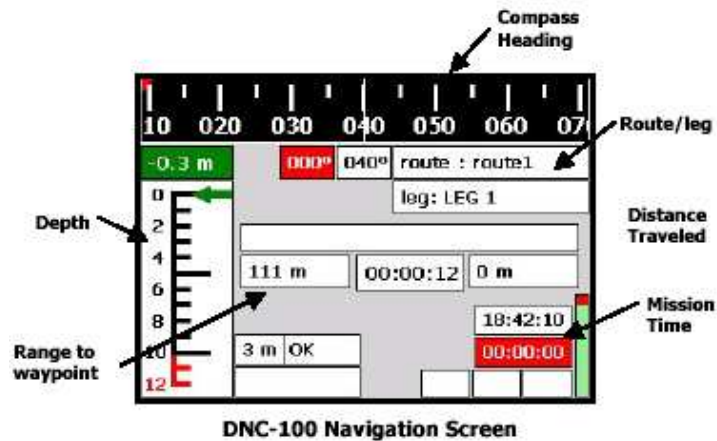
the DNC-100 arrives at a navigation solution using internal sensors which supply geodetic position, depth and heading while velocity information is provided by an imbedded speed chart. Built-in firmware takes this sensor information and plots the diver's position with the support of a preloaded dive plan. Distance and bearing to target waypoint, depth, and other navigation information is displayed, in real time, to the diver via a full color sunlight readable LCD display.

Weighting only 1.1kg (3lbs.), the DNC-100 is easy to operate. Using specially designed piezo ceramic switches the operator can access all functions of the operational firmware to depth of 30M (99ft). Designed for the harsh marine environment, the sealed anodized aluminum housing provides protection for all internal components while rechargeable batteries allow the DNC-100 to be continuously operated for up to 8 hours.

Intuitive firmware and simple-to-read screens makes using the DNC-100 effortless. Once activated, the built-in GPS receiver immediately provides accurate geodetic position to the on-board computer. The diver then recalls, from the DNC-100 menu, a dive plan created and uploaded from the DiveNav 1.0 Planning Software. Once underwater, bearing and distance to the targeted waypoint is displayed on the DNC-100 easy-to-read screen

along with divers depth, dive time and other important navigation information. All navigation position fixes and event marks are saved in the on-board computer's memory for later access and analysis. Supporting the DNC-100 is a comprehensive dive planning software suite called DiveNav 1.0, which can be easily loaded on to any

PC. DiveNav 1.0 Planning Software allows an operator to create mission profiles which include dive routes, multiple waypoints, and electronic charts and images. These mission plans can then be uploaded into the DNC-100. Once the dive is completed, the data stored in the DNC-100 can be downloaded. Once retrieved, this data can be analyzed by DiveNav or another third party software. The unique architecture and flexibility of the DNC-100 Firmware and DiveNav Planning Software allows for easy customization to meet your specific mission requirements. Developed and Manufactured by Oceana Integrated Technologies, suppliers of mission critical navigation solutions for military, marine and subsea applications, it is distributed by RJE International, Inc., world renowned for supplying diver navigation solutions for both military and commercial clients. Call us today for information on this revolutionary product.



DiveNav 1.0 Planning Software

Supporting the DNC-100 is a comprehensive dive planning software suite called DiveNav 1.0, which can be easily loaded on to any PC. DiveNav 1.0 Planning Software allows an operator to create missions profiles that include dive routes, multiple waypoints, and electronic charts and images. These mission plans can then be uploaded into the DNC-100. Once the dive is completed, the data that is stored in the DNC-100 can be downloaded. Once retrieve this can be analysis by DiveNav or other third party software. The unique architecture and flexible of the DNC-100 Firmware and DiveNav Planning Software allows for easy customization to meet your specific mission requirements.

Technical specifications	
Mechanical	
Size Display Module	• 22cm(L)x9cm(W)x4cm(D) 8.5"(L)x3.5"(W)x1.7"(D)
Sensor Module	• 10cm(L)x5cm(W)x3cm(D) 4.2"(L)x2.0"(W)x1.40(D)
Weight	• 1.1kg (3 lbs)
Housing Material Anodized	• Aluminum
Environmental	
Depth Rated	• 30m (99 ft.)
Operating Temperature	• -20°C to 55°C (-4°F to 131° F)
Storage Temperature	• -40°C to 65°C (-40°F to 149°F)
Single Board Computer	
Processor	• 400Mhz
Dive Data	• ACSCII Format
Sensors	
Accuracy	• <0.5° to 1.5° RMS
Range	• ± 40°