



COCHRAN Undersea Technology

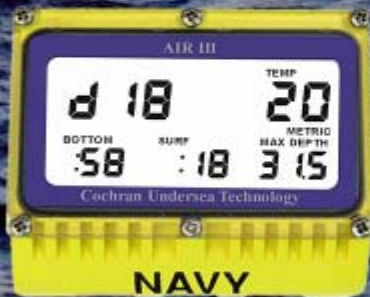
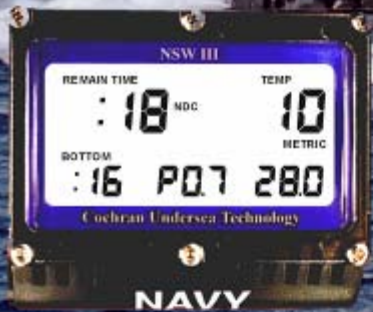
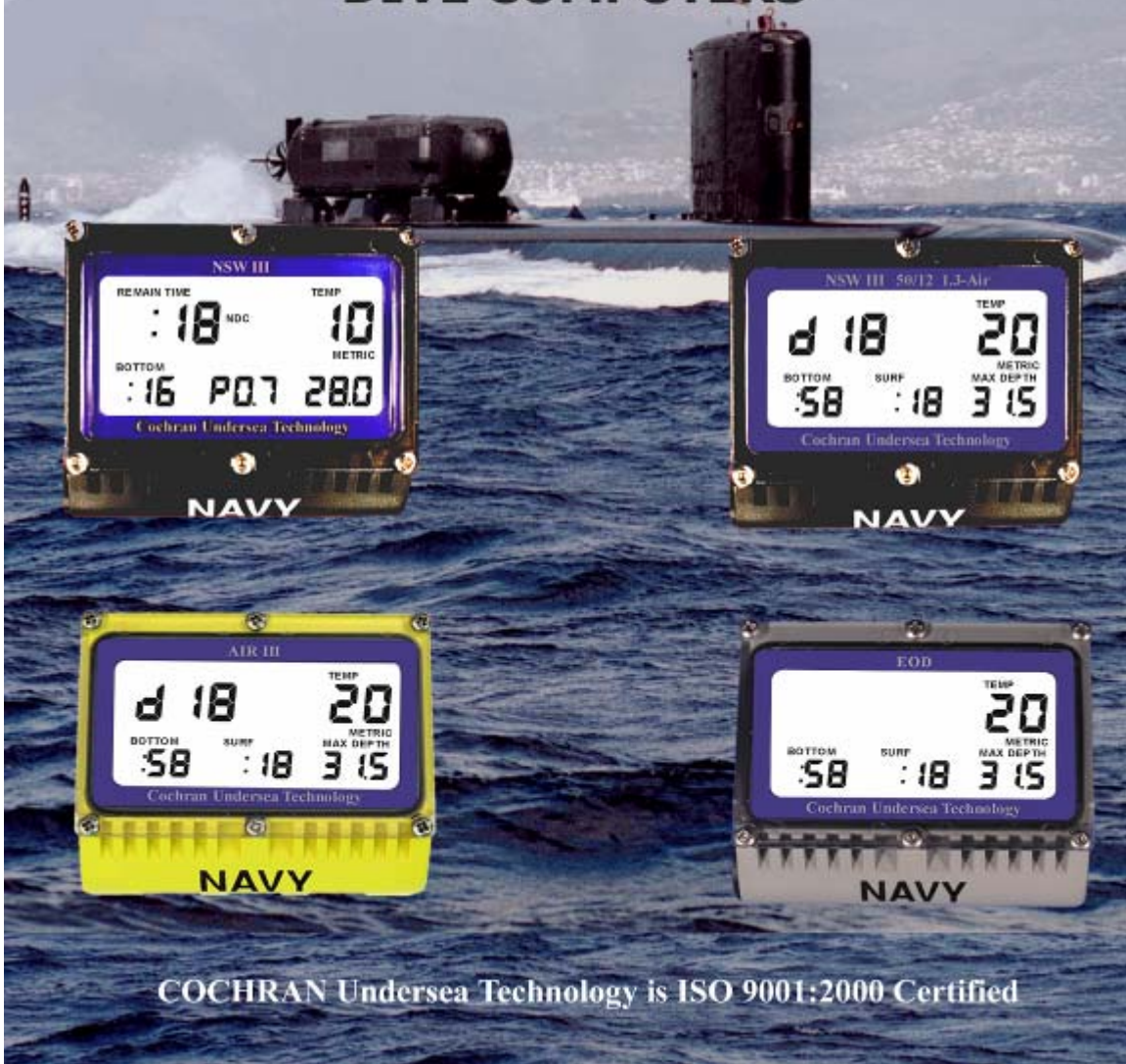
MADE



IN USA

NAVY

DIVE COMPUTERS



COCHRAN Undersea Technology is ISO 9001:2000 Certified

The Cochran family of NAVY Dive Computers utilizes the VVAL-18 algorithm which was developed by the U.S. Navy for use with their closed circuit rebreathers. The VVAL-18 algorithm was implemented in one Cochran's recreational diving computers.

The NAVY Dive Computer is supplied to the U.S. Navy in one of four models:

The NAVY NSW III is a 0.7 ata PO2 unit that is used by the Navy Seals assigned to SPECWAR. This version is configured to begin the dive in the FO2 (Fractional Percentage of Oxygen) mode with an FO2 = 21%, at a depth of 23.8 meters the unit switches to the PO2 (Constant Partial Pressure of Oxygen) mode equal to 0.70 ata. When the diver ascends above 23.8 meters the unit switches back to an FO2 = 21%.

The NAVY NSW III 50/12 1.3-Air is a 1.30 ata PO2 unit that is used by the Navy Seals assigned to SPECWAR. This version is configured to begin the dive in the FO2 (Fractional Percentage of Oxygen) mode with an FO2 = 21%, at a depth of 15.2 meters the unit switches to the PO2 (Constant Partial Pressure of Oxygen) mode equal to 1.30 ata. When the diver ascends above 3.7 meters the unit switches back to an FO2 = 21%.

The NAVY EOD is low magnetic signature unit being used by the Navy EOD, Explosive Ordinance Disposal divers. This version is configured as a depth gauge / dive timer / profile storage unit.

The NAVY AIR III is an Air only version of the NSW III and is used by the ships husbandry divers.

The Navy Dive computers and batteries have been certified by the U.S. Navy for use aboard fleet submarines.

Choice of Wrist Unit Mounting Options

Module Only	Hose Mount
Wrist Mount – Standard on NSW III & NSW III 50/12 1.3-Air & Air III	Twin Console
Retractor – Standard on EOD	Triple Console
Retractor with Compass	

Choice of Standard Red Backlight or Optional Yellow

Wrist Unit Case Color:

NSW III & NSW III 50/12 1.3-Air Navy Seal Black
EOD – Gray
AIR III - Yellow

Dive Profile Memory (at One-Second Sampling):

NSW III & NSW III 50/12 1.3-Air & Air III - 1450 Dive Hours
EOD – 180 Dive Hours

Interdive Profiling (Records Events Between Dives such as Altitude Changes)

Uses one 3V Lithium Battery (CR12600SE or CR2NP) or two 1.5V N-Cell size Alkaline batteries.(User Changeable)

Battery Life is Over 1000 Dive Hours (Depending on Taclite Usage)

9 Compartment Algorithm (VVAL-18)

Maximum Depth Over 125 meters

Decompression Ceilings to 125 meters

No Lock Out

Real Time NDC and Deco Times and Ceilings Based on Breathing Mix Currently Being Used

Automatic Altitude Acclimatization up to 4,877 Meters

Units of measure – Imperial or Metric

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