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### CRESSI Cressi Neon (Model KS840055)

# Cressi Neon Scuba Diving Watch Computer User Manual

Comprehensive guide for operation, maintenance, and troubleshooting.

## PRODUCT OVERVIEW

The Cressi Neon is an advanced, versatile dive computer designed for both recreational and technical diving, as well as freediving. Its compact, watch-like design makes it suitable for daily wear, seamlessly integrating into your lifestyle while providing essential dive data.



The image displays the Cressi Neon Scuba Diving Watch Computer in black, showing its digital display with time and dive information. The watch features two control buttons on the right side.

#### Key Features:

- **Intuitive Design:** Reliable dive computer with an intuitive new menu navigation system and parameter input for

maximum usability.

- **Four Operating Modes:** Choose between Air, Nitrox (EAN), Gauge, and Free for maximum versatility.
- **Advanced Algorithm:** Utilizes the Cressi RGBM Wienke 9 tissue algorithm for enhanced diving safety, with customizable safety factors.
- **High-Intensity Backlight:** Features a 4000 Mlux backlight for clear visibility in all conditions.
- **User-Replaceable Battery:** Offers an approximate autonomy of 4 years (based on 50 dives per year).
- **Comprehensive Logbook:** Stores up to 50 dives per modality or 40 hours of dive data.
- **Multi-Gas Capability:** Allows for the use of two different mixtures in the same immersion.
- **Safety Alarms:** Includes acoustic, visual, and screen illuminated alarms for ascent speed, decompression, and PPO2.
- **Italian Craftsmanship:** Designed and manufactured in Italy by Cressi, a brand with quality since 1946.

## SETUP

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Before using your Cressi Neon dive computer, it is essential to perform the initial setup and configuration. This ensures accurate data recording and safe operation.

### 1. Battery Check and Installation:

The Cressi Neon comes with a user-replaceable battery. Ensure the battery is correctly installed and has sufficient charge. If replacing, follow the instructions in the full PDF manual to maintain water integrity.

### 2. Initial Configuration:

Upon first activation or after a battery change, you will need to set basic parameters:

- **Time and Date:** Set the current time and date.
- **Units:** Select your preferred units for depth (meters/feet) and temperature (Celsius/Fahrenheit).
- **Personal Safety Factor:** Adjust the conservatism level of the decompression algorithm if desired.



A close-up view of the Cressi Neon dive computer, highlighting its clear digital display and the 'CRESSI' and 'NEON' branding, ready for setup.

## OPERATING MODES

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The Cressi Neon offers four distinct operating modes, each tailored for specific underwater activities. You can easily switch between these modes via the intuitive menu system.

### 1. Air Mode:

This is the standard mode for recreational scuba diving using air. It provides real-time information including current depth, maximum depth, dive time, no-decompression limits (NDL), and ascent rate warnings. The computer continuously calculates decompression status based on the Cressi RGBM Wienke 9 tissue algorithm.

### 2. Nitrox (EAN) Mode:

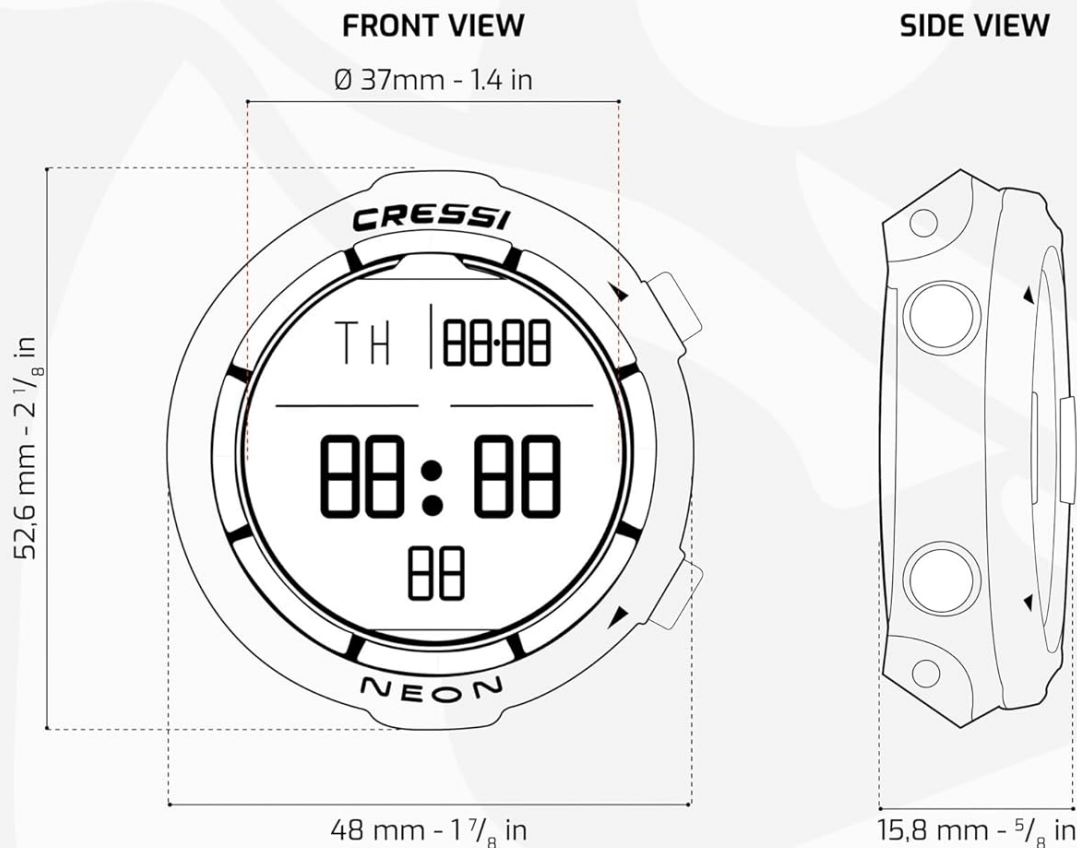
Designed for diving with enriched air nitrox mixtures. In this mode, you can set the oxygen percentage (FO<sub>2</sub>) from 21% to 99% and the partial pressure of oxygen (PO<sub>2</sub>) limit. The Neon supports the use of two different nitrox mixtures within the same dive, allowing for advanced dive planning and execution.

### 3. Gauge Mode:

Functions as a precise bottom timer. This mode displays current depth, maximum depth, and dive time, but it does not perform any decompression calculations. It is ideal for technical divers who use external dive tables or software for decompression planning.

### 4. Free Mode:

Optimized for freediving and spearfishing. This mode tracks essential freediving parameters such as current depth, maximum depth, dive time, and surface interval. It is designed to provide quick and clear information relevant to breath-hold diving.



V. 2024/04 USA

CRESSI'S SIZE CHART TO BE USED AS A REFERENCE ONLY

This technical diagram illustrates the front and side dimensions of the Cressi Neon dive computer, showing its diameter of 37mm (1.4 inches) for the display and overall dimensions of 48mm (1 7/8 inches) width and 52.6mm (2 1/16 inches) length, with a thickness of 15.8mm (5/8 inches).

## LOGBOOK AND DATA TRANSFER

The Cressi Neon automatically records your dive data, storing up to 50 dives per modality or 40 hours of dive time in its internal logbook. This allows you to review your past dives directly on the device.

For more detailed analysis and visualization of your diving profiles, dive sessions can be downloaded to a personal computer. This requires the optional Cressi Interface (sold separately), which connects to the computer and enables data transfer via Bluetooth.



A close-up view of the back of the Cressi Neon dive computer, highlighting the area for the optional external Bluetooth interface, which allows for data transfer and visualization of diving profiles on a PC.

## MAINTENANCE

Proper care and maintenance are crucial for the longevity, accuracy, and safe operation of your Cressi Neon dive computer. Follow these guidelines to keep your device in optimal condition.

- **Rinsing:** After each dive, thoroughly rinse the computer with fresh, clean water. Ensure all salt, sand, and debris are removed, especially from around the buttons and sensor areas.
- **Drying:** Allow the computer to air dry completely in a shaded, well-ventilated area before storage. Avoid direct sunlight or excessive heat.
- **Battery Replacement:** The battery is user-replaceable. When the low battery indicator appears, replace the battery promptly. Refer to the detailed instructions in the full user manual (PDF) for the correct procedure to ensure the water-tight seal is maintained.
- **Storage:** Store the dive computer in a cool, dry place, away from direct sunlight, extreme temperatures, and chemicals. It is recommended to store it in its original protective case.
- **Inspection:** Periodically inspect the strap, case, and display for any signs of wear, cracks, or damage. If any damage is observed, do not use the computer and contact a certified service center.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Cressi Neon dive computer. If the problem persists after following these steps, please contact Cressi customer support or a certified service center.

Problem	Possible Cause	Solution
Display is blank or unresponsive.	Low battery; Unit is off or in sleep mode; Software glitch.	Replace the battery; Press any button to wake the unit; If unresponsive, try a soft reset (refer to full manual).
Inaccurate depth or time readings.	Sensor obstruction; Unit not properly calibrated (unlikely for new units); Environmental factors.	Ensure the pressure sensor is clean and free of debris; If issue persists, contact service.

Problem	Possible Cause	Solution
Alarms sounding frequently during a dive.	Rapid ascent rate; Approaching or exceeding no-decompression limits; High PPO2.	Adjust ascent rate to comply with safety guidelines; Monitor NDL and PPO2 levels; Ascend slowly.
Cannot download dive data to PC.	Incorrect or faulty Cressi Interface; Driver issues; Software incompatibility.	Ensure you are using the official Cressi Interface; Install the latest drivers; Check software compatibility with your OS.
Buttons are stiff or unresponsive.	Salt crystal buildup; Debris lodged under buttons.	Rinse thoroughly with fresh water and press buttons repeatedly underwater to flush out debris.

## SPECIFICATIONS

Detailed technical specifications for the Cressi Neon Scuba Diving Watch Computer:

- **Model Name:** Cressi Neon, Black/Black
- **Part Number:** KS840055
- **Display Size:** 37 mm (high contrast)
- **Overall Diameter:** 48 mm
- **Item Weight:** 100 Grams
- **Material:** PC (Anti-impact technopolymer case)
- **Battery Type:** User-replaceable
- **Battery Life:** Approximately 4 years (based on 50 dives per year)
- **Logbook Memory:** 50 dives or 40 hours
- **Algorithm:** Cressi RGBM Wienke 9 tissue algorithm
- **Backlight:** High-intensity (4000 Mlux)
- **Operating Modes:** Air, Nitrox (EAN), Gauge, Free
- **Alarms:** Acoustic, visual, and screen illuminated (ascent speed, decompression, PPO2)
- **Connectivity:** Optional external Bluetooth interface for PC data transfer
- **Manufacturer:** Cressi
- **First Available Date:** March 1, 2019




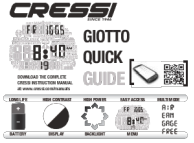


## WARRANTY AND SUPPORT

**Warranty Information:** The Cressi Neon Scuba Diving Watch Computer is covered by a 2-year limited warranty. This warranty covers manufacturing defects and material flaws under normal use. For complete terms and conditions, please refer to the official warranty documentation provided with your product or visit the official Cressi website.

**Customer Support:** For technical assistance, service inquiries, or any questions regarding your Cressi Neon dive computer, please contact Cressi customer service. You can find contact information and additional resources on the official Cressi website.

**Official User Guide (PDF):** For detailed instructions, advanced settings, and comprehensive troubleshooting, please download the official user guide in PDF format:

## Related Documents - Cressi Neon (Model KS840055)

	<p><a href="#">Cressi Donatello, Michelangelo, Raffaello Dive Computer User Manual</a></p> <p>Comprehensive user manual for the Cressi Donatello, Michelangelo, and Raffaello dive computers, covering features, functions, safety guidelines, and maintenance.</p>
	<p><a href="#">Cressi Nepto King Dive Computer Quick Guide</a></p> <p>A concise guide to operating the Cressi Nepto King dive computer, covering its features, menus, dive modes, and settings for freediving and scuba diving.</p>
	<p><a href="#">Cressi Michelangelo Donatello Dive Computer Quick Guide</a></p> <p>Concise guide to operating the Cressi Michelangelo Donatello dive computer, covering modes, settings, dive planning, logbook, and essential functions for scuba divers.</p>
	<p><a href="#">Cressi Giotto Dive Computer Quick Guide</a></p> <p>A concise guide to the Cressi Giotto dive computer, covering its features, modes, operation, and dive data logging for scuba diving and freediving.</p>
	<p><a href="#">Cressi DONATELLO/MICHELANGELO/RAFFAELLO Dive Computer User Manual</a></p> <p>Comprehensive user manual for the Cressi DONATELLO, MICHELANGELO, and RAFFAELLO dive computers, detailing features, functions, safety guidelines, and maintenance.</p>
	<p><a href="#">Cressi Dry Suit User Manual: Operation, Maintenance, and Safety</a></p> <p>This user manual provides comprehensive instructions for the safe operation, maintenance, and care of Cressi Dry Suits. It covers essential information on suit features, usage conditions, pre-dive checks, in-water procedures, post-dive care, and storage to ensure optimal performance and longevity for scuba diving.</p>