**Mares 414135-BKWH**

# Mares Puck Pro+ Wrist Dive Computer User Manual

Model: 414135-BKWH | Brand: Mares

## INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation and maintenance of your Mares Puck Pro+ Wrist Dive Computer. The Puck Pro+ utilizes the Mares-Wienke RGBM (Reduced Gradient Bubbles Model) Algorithm, designed to minimize micro-bubble formation during dives. Please read this manual thoroughly before using the device.

Figure 1: Mares Puck Pro+ Wrist Dive Computer. This image displays the main view of the dive computer, showing its clear display and single button interface.

## KEY FEATURES

- **Ultra Flat Design:** Ensures a comfortable fit, even with thick wetsuits or dry suits.

- **Multi-Mix Dive Capability:** Supports up to two Nitrox blends (21-99%) for advanced diving.

- **Intuitive Single-Button Control:** Simplifies navigation through settings and dive data.

- **Long-Lasting Logbook:** Records up to 35 hours of dive data at a 5-second sampling rate.

- **Upgradable Firmware & Bluetooth Connectivity:** Allows for future updates and seamless data transfer via BLUELINK system.

- **Mineral Glass Display:** Provides superior scratch resistance and improved readability.

# TECHNOLOGIES

**MINERAL GLASS DISPLAY**

Mineral Glass Display.

Tempered glass with superior scratch resistance and improved readability in all diving conditions and viewing angles.

**SOFTWARE UPGRADEABILITY**

Software Upgradeability.

Keep your dive computer up-to-date with the latest Mares developments.

**ONE BUTTON CONTROL**

Full-featured computer in which all functions can be accessed through an intelligent and intuitive logic with a single button.

**GAS SWITCHING**

Setting the computer to include one or more oxygen enriched - gases (up to 99%) in addition to your main gas; allow you to benefit from shorter decompression times by switching gases during the dive.

**SEGMENT DISPLAY**

Needle-sharp information combined with intelligent placement of information for easiest readability.

Figure 2: Mares Puck Pro+ Technologies. This image illustrates the key technological features of the dive computer, including its mineral glass display, software upgradeability, one-button control, gas switching capability, and segment display.

## SETUP

### 1. Attaching the Strap

The Mares Puck Pro+ comes with a long strap designed to accommodate various exposure suits, including thick wetsuits and dry suits. The strap features multiple adjustment holes and a simple buckle for secure fastening. The strap also incorporates a corrugated section near the computer body, providing elasticity to compensate for wetsuit compression at depth, ensuring a snug fit throughout the dive.

### 2. Battery Installation

The dive computer uses a user-changeable Lithium Metal battery (CR2450). The battery compartment is located on the back of the unit. Ensure the battery is correctly oriented and the compartment is securely sealed to maintain water integrity.
**Warning: Improper battery installation or sealing can lead to water ingress and device failure. Refer to the**

**detailed battery replacement instructions in the Maintenance section.**

## OPERATING INSTRUCTIONS

**1. Basic Display Information (Dive Mode)**

In its standard dive mode, the display provides essential information:

- **Top Section:** Current depth. This will change to maximum depth during the dive.
- **Center Section:** No-decompression information and current time.
- **Bottom Section:** Auxiliary data, including Nitrox loading gauge (N2) and temperature.

**2. Activating Backlight**

To activate the backlight for low-light conditions, press and hold the single control button for approximately two seconds. The backlight will illuminate the display for improved visibility.

**3. Navigating Menus**

The Mares Puck Pro+ features a simple single-button interface for navigation:

- **Short Press:** A single short press of the button cycles through different menus or options (e.g., LOG, PLAN, INFO, MODE).
- **Long Press (approx. 2 seconds):** A long press of the button acts as a "Select" function, allowing you to enter a selected menu or confirm a setting.

**4. Logbook Access**

To view your dive logbook:

1. From the main display, short press the button until "LOG" appears.
2. Press and hold the button for two seconds to enter the logbook.
3. Within the logbook, short press the button to cycle through recorded dives and their details, such as maximum depth, dive time, and other relevant data.

**5. Setting Dive Parameters (MODE Menu)**

To adjust dive settings (e.g., gas type, alarms):

1. From the main display, short press the button until "MODE" appears.
2. Press and hold the button for two seconds to enter the Mode menu.
3. Short press to cycle through options like "AIR" (for air diving), "EAN" (for Nitrox), and "SET" (for general settings like time, date, and alarms).
4. To select an option or enter a sub-menu, press and hold the button for two seconds.
5. To go back to the previous menu, short press until "BACK" appears, then press and hold.

**6. Ascent Rate Indicator**

The dive computer features an ascent rate indicator on the left side of the display. If your ascent rate becomes too fast, the indicator will alert you, prompting you to slow down to avoid decompression sickness.

**7. Power Saving Mode**

If the dive computer is left out of water and inactive for a certain period, the display will automatically turn off to conserve battery life. This feature is particularly useful when the device is in storage.

# MAINTENANCE

## 1. Battery Replacement

The Mares Puck Pro+ is designed for user-changeable batteries. When the battery indicator shows low power, replace the battery promptly. Use only the specified Lithium Metal battery (CR2450). Ensure the O-ring is clean and properly seated, and the battery cover is securely tightened to maintain the device's water resistance.

## 2. Cleaning and Storage

After each dive, rinse the dive computer thoroughly with fresh water to remove salt, sand, and other debris. Allow it to air dry completely before storing. Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

## 3. Firmware Updates

Periodically check the Mares website for firmware updates. Upgrading the firmware ensures your dive computer has the latest features and algorithms. Firmware updates can typically be performed via the BLUELINK system.

# TROUBLESHOOTING

## 1. Display Not Turning On

- Check battery level. Replace if low.
- Ensure battery is correctly installed and making proper contact.
- If the device was in storage, press any button to wake it from power-saving mode.

## 2. Device Not Entering Dive Mode

- Ensure the device is fully submerged in water.
- Verify that the depth sensor is clean and free from obstructions.
- If the issue persists after checking the above, the depth sensor may be faulty. Contact Mares customer support for assistance.

## 3. Inaccurate Readings

- Ensure the device is properly calibrated (if applicable, refer to advanced settings).
- Check for any physical damage to the sensors or display.
- Verify that the correct gas mix (Air/Nitrox) is selected in the settings.

# SPECIFICATIONS

| Feature | Specification |
|---|---|
| Material | CR2450 |
| Battery Duration | 200-300 dives |

| Feature | Specification |
|---|---|
| Nitrox Use | EAN from 21% to 99% |
| Max Displayed Depth | 150 m / 492 ft |
| Ascent Rate Indicator | True |
| Memory Capacity | 36 h |
| Profile Sampling Rates | 5 s |
| Display | Segment Display |
| Gas Switching | True |
| Stopwatch | True |
| Watch | False |
| Dual Time | False |
| Daily Alarm | False |
| Plan Mode | True |
| CHOICE_MET_IMP | True |
| Fresh and Seawater Settings | True |
| RESID_NITRO_RESET | True |
| Option To Exclude Audible Alarms | True |
| Exclusion of "Uncontrolled Ascent" | True |
| Altitude Adjustment | True |
| Temperature Range | -10°C to +50°C / 14°F to 122°F |
| Logbook Memory | 35 hours of dive profile at 5-second sampling rate |
| Display Material | Mineral glass |
| Clock | Quartz clock; time, date, d |

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Figure 3: Mares Puck Pro+ Detailed Specifications. This table provides a comprehensive list of the dive computer's technical specifications, including battery life, depth limits, and display type.

## WARRANTY AND SUPPORT

Mares products are manufactured to high-quality standards. For warranty information, service, or technical support, please refer to the official Mares website or contact your authorized Mares dealer. Keep your proof of purchase for warranty claims.

For further assistance, visit the Mares Store on Amazon.

**Related Documents - 414135-BKWH**

| | |
|---|---|
|  | [Mares Puck 4 Dive Computer Instruction Manual](#)<br>This comprehensive instruction manual guides users through the features, operation, and maintenance of the Mares Puck 4 Dive Computer. It covers diving modes, settings, alarms, multi-gas capabilities, bottom timer mode, technical specifications, care instructions, warranty, and disposal. |
|  | [Mares Puck Air 2 Dive Computer Instruction Manual](#)<br>Comprehensive instruction manual for the Mares Puck Air 2 Dive Computer, covering operation, settings, diving procedures, maintenance, and technical specifications. |
|  | [Mares Matrix Dive Computer Instruction Manual - Features, Operation, and Maintenance](#)<br>Comprehensive instruction manual for the Mares Matrix Dive Computer. Learn about its features, operating modes, settings, dive planning, safety alarms, and maintenance. |
|  | [Mares Nemo Wide Dive Computer User Guide](#)<br>Comprehensive user guide for the Mares Nemo Wide Dive Computer, detailing its features, settings, dive modes (Air, EAN, Bottom Time), safety procedures, responsible diving practices, maintenance, technical specifications, and troubleshooting FAQs. |
|  | [Mares QUAD 2 Dive Computer Instruction Manual](#)<br>Comprehensive instruction manual for the Mares QUAD 2 Dive Computer, covering its features, operation, settings, and safety guidelines for diving. |
|  | [Mares Puck 4 Dive Computer Instruction Manual](#)<br>Comprehensive instruction manual for the Mares Puck 4 Dive Computer, detailing its features, operation, settings, dive modes, safety warnings, and maintenance for divers. |