



# MARES PUCK PRO DIVE COMPUTER



v1.0

## Summary of Basic Operations

### Introduction

It is entirely the user's responsibility to understand how to operate the dive computer. If you don't know – ask. This document is just a summary of the computer's essential operating procedures. It is strongly recommended you do not explore the computer's menus unless you are absolutely sure you know what you are doing.

### START

Press the button to switch on Puck, which starts in Pre-dive - Air mode if Desaturation Time & No Fly times are 0.

The computer has several operating modes. Press to move 'across' the sequence of menus. Press & Hold to move 'down' within a menu.

Always put Puck into Pre-dive mode. Early in your dive, always check that the dive computer is switched on.

**The computer's settings have been set by AUSC.**

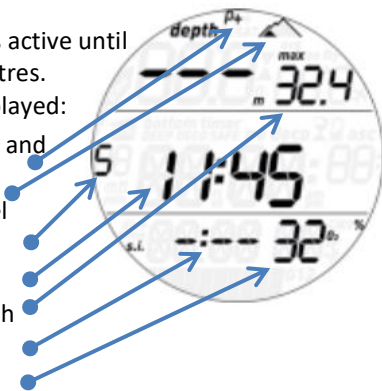
There is no need to adjust settings unless you are diving on a breathing gas different from the gas currently set. This includes changing to AIR after a previous diver used EAN/Nitrox.

### PRE-DIVE - AIR

This operating mode remains active until the diver goes below 1.2 metres.

The following details are displayed:

- Personal correction factor and level (if enabled)
- Altitude program and level
- Type of water (Salt, Fresh)
- Time of Day
- Maximum Operating Depth
- Surface Interval
- O2% (if Nitrox is Set)



If you remain in pre-dive for longer than 10 minutes without pressing any button, Puck Pro will switch off.

### ADJUSTING FOR EAN/NITROX and AIR

**Set Puck to AIR mode unless you are Nitrox certified.**

Press and release button to scroll through the modes until "MODE" appears. Press and hold to enter that menu. The current dive mode will be displayed: AIR, EAN, or BOTTOM TIME. Press button and release to scroll through the 3 modes. When the dive mode you want ("EAN" or "AIR") is displayed, press and hold the button. This will save the mode.

### EAN Mode

In this mode you can adjust several settings. Please adjust only:

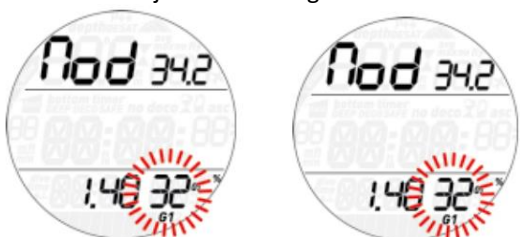
- Oxygen percentage (%O2) in the mix
- Max O2 Partial Pressure (PPO2). (Set to 1.40 if not already)

### SET EAN - O2%

The current Oxygen % setting will flash. Adjust the setting in increments of 1% by pressing the button and observe the change in Maximum Operating Depth.

Press and hold the button to set the selected value.

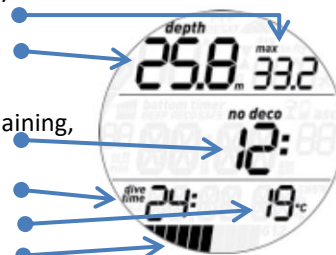
Press the button to adjust this setting to 1.40 if not already set.



### DIVE – AIR: NO-DECOMPRESSION DIVE

The following details are displayed:

- Maximum depth reached
- Current depth (metres)
- "no deco" icon
- No-decompression time remaining, expressed in minutes
- Duration of the dive so far
- Temperature
- Nitrogen saturation graph



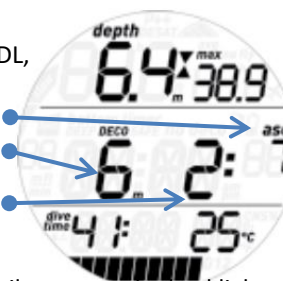
Pressing the button will modify the information displayed:

- Average instead of maximum depth
- Oxygen concentration in lieu of temperature (NITROX only)
- CNS in lieu of oxygen concentration (NITROX only)
- Time of day in lieu of dive time (4 sec timeout to dive time)
- Empty field next to current depth

### DIVE: EXCEEDING NDL

If the diver inadvertently exceeds NDL, the following display appears:

- Estimated remaining ascent time
- Depth of required deco stop
- Time required at deco stop depth (In addition to Safety Stop)



### BACKLIGHTING

Press & Hold the button to temporarily turn on the backlight (for 1-10secs depending on settings, usually 4secs).

### ASCENT

**Rate of Ascent.** If depth decreases by 80cm, Puck displays the ascent rate at the extreme left of the middle row of the display. An alarm will sound and the **SLOW** indicator will appear if the ascent rate exceeds 10m/min. Further indicators (including **FAST**) will appear for faster or longer duration violations.

**Missed Deco Stop.** If you ascend above the decompression stop depth by more than 0.3m, a downward pointing triangle appears, an audible alarm goes off and both the current depth and the depth of the deco stop start blinking. This alarm remains active until you return to the correct deco depth.

**Safety Stop.** Upon reaching the optimum range for carrying out a safety stop (3-6m), a countdown timer appears to indicate the progress of the stop. This may reset to zero if the diver re-descends.

### SURFACE Mode

For 3 mins, data display includes:

- Max depth
- Coldest logged temperature
- Duration of the dive
- Icons for mistakes during the dive (e.g. omitted deco stop)
- 3-minute countdown timer until Post-Dive Mode.



### LOGBOOK

In Pre-Dive or Post-Dive modes, press the button to LOG menu. Press & Hold to look at past dive details.

### LOW BATTERY

If battery power level is safe for diving but without much reserve, the steady battery symbol appears. If the level decreases to the point of unsafe to dive, the battery symbol starts blinking, backlight is disabled and alarms are muted.

**When the blinking battery symbol appears, you should stop the dive safely and without delay.** Also advise the committee.