1 SAFETY

Types of safety precautions

⚠ *WARNING: - is used in connection with a procedure or situation that may result in serious injury or death.*

⚠ *CAUTION: - is used in connection with a procedure or situation that will result in damage to the product.*

Safety precautions

⚠ *WARNING: ONLY TRAINED DIVERS SHOULD USE A DIVE COMPUTER! Insufficient training for any kind of diving, including freediving, may cause a diver to commit errors, such as incorrect use of gas mixtures or improper decompression, that may lead to serious injury or death.*

⚠ *WARNING: You must read the printed quick guide and online*

⚠ *WARNING: PERFORM PRE-CHECKS! Always check that your dive*

2 GETTING STARTED

2.1 Display states and views

Suunto Vyper Novo has four main modes: TIME, DIVE, PLANNING and MEMORY. Change modes by pressing [MODE].

Unless DIVE mode is turned off, Suunto Vyper Novo automatically switches to DIVE mode if you are more than 1.2 m (4 ft) under water.

Icon	Description
5	Tank pressure (if available)
6	Wireless transmission (if available)
7	Low battery
8	Active water contact
9	Diver attention symbol
10	Ascent rate

Alarm type	Alarm reason
ascending' beep, sounded two times. ASC TIME blinks and an arrow points upwards.	below the decompression floor level. You should ascend to, or above, the floor.

The apnea timer supports up to 20 intervals, but this is dependent on the ventilation and increment times. The last ventilation cycle cannot be shorter than 0:05 seconds or longer than 20:00 minutes.

Continuous ascent rate violations result in mandatory safety stops. See *3.20 Safety stops and deepstops* .

1. While in time mode, keep [DOWN] pressed.
2. Press [UP] to scroll to Date and press [SELECT].
3. Set year with [DOWN] or [UP] and accept with [SELECT].
4. Repeat for month and day.

3.8.5 Alarm clock

3. Press [DOWN] to toggle to East or West and confirm with [SELECT].
4. Set Declination Degrees with [DOWN] or [UP].
5. Press [MODE] to save and exit.

3.9.3 Setting compass timeout

You can define how long the compass stays on after you have activated it. Reset the timeout with any button press while using the compass.

The last locked bearing is stored and available the next time the compass is activated. In DIVE mode, the locked bearings are also

Symbol

The scuba dive history records a maximum of 999 dives and 999 diving hours. When these limits are reached, the counters reset to zero.

Free dive history shows the following:

- the deepest and the longest dives of all free dives
- the cumulative dive time in hours and minutes
- the total number of dives

The free dive history records a maximum of 999 dives and 99:59 diving hours. When these limits are reached, the counters are reset to zero.

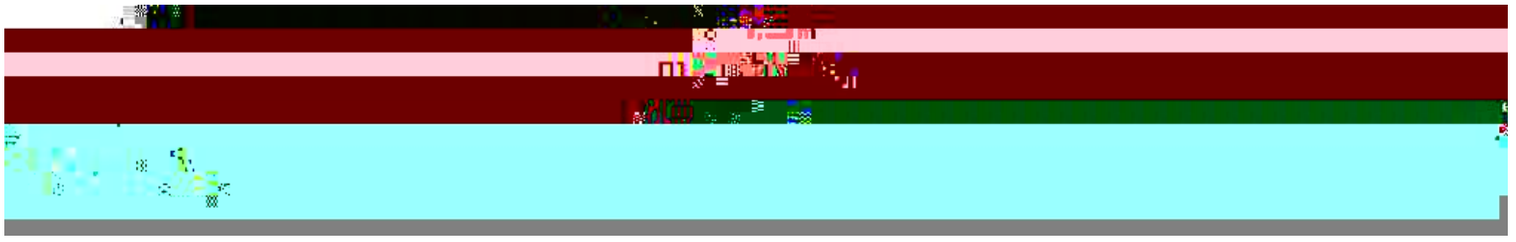
Logbook

To access the logbook:

1. Press [MODE] three time until you come to MEM mode.
2. Press [UP] to choose Logbook.
3. Press [DOWN] or [UP] to scroll to the log you wish to look at and press [SELECT].
4. Press [SELECT] to scroll through the pages.
5. Press [MODE] to exit.

Each log has three pages:

1. Main page



- maximum depth

Press [UP] to step through the dive profile graph or keep [UP] pressed to auto-scroll.

The dive profile graph shows point by point dive information such as depth, compass heading, decompression info, ceiling and ascent time.

The End of Logs text is displayed between the oldest and most recent dive.

The logbook capacity depends on the sample rate. With the default setting (20 s) and without transmitter data the capacity is approximately 140 hours. With transmitter data the capacity is minimum 35 hours.

If the memory is full, when new dives are added, the oldest dives are deleted.

The contents of the memory remain when the battery is changed

- Off: turns dive mode off completely; the dive computer does not automatically switch the dive mode when submerged and dive planning mode is hidden

By default, Air mode is activated when you enter dive mode. You can change which mode is activated or turn dive mode off under

- Sample rate (see *3.21 Sample rate*)
- Deepstop (see *3.20 Safety stops and deepstops*)
- Air time (see *3.2 Air time*)

In NITROX mode, both the percentage of oxygen in yox

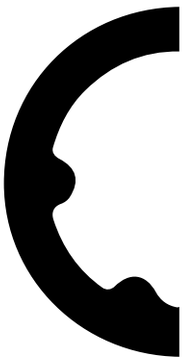
6. Adjust the blinking PO_2 (oxygen partial pressure) value with [DOWN] or [Up] and confirm with [SELECT].
7. Adjust other mix settings as needed.

3.17 Error state (algorithm lock)

Suunto Vyper Novo has warning indicators that alert you to react to certain situations that would significantly increase the risk of DCI. If you do not respond to these warnings, Suunto Vyper Novo enters an error state and shows Er on the display. This indicates that the risk of DCI has greatly increased.

It is possible to dive with the device when the algorithm is locked,

Personal adjustment



You can also use the stopwatch while diving for various timing purposes. To activate the stopwatch in dive mode, keep [MODE] pressed.

- A minimum surface interval of 12 hours would be required in order to be reasonably assured a diver will remain symptom free upon ascent to altitude in a commercial jetliner (altitude up to 2,400 m (8,000 ft)).
- Divers who plan to make daily, multiple dives for several days, or make dives that require decompression stops, should take special precautions and wait for an extended interval beyond 12 hours before a flight. Further, the Undersea and Hyperbaric Medical Society (UHMS) suggests divers using standard air cylinders and exhibiting no symptoms of decompression sickness wait 24 hours

values in Suunto SME. Since then research and development has been ongoing with the help of both external and internal experts.

In the late 1990s, Suunto implemented Dr. Bruce Wienke's RGBM

are available for divers who dive constantly and are ready to accept greater personal risk.

seconds. An increase in air consumption decreases the remaining air time rapidly, while a drop in air consumption increases the air time slowly. In this way, an overly optimistic air time estimate, caused by a temporary drop in air consumption, is avoided.

The remaining air time calculation includes a 35 bar (500 psi) safety reserve. This means that when the instrument shows the air time to be zero, there is still a small reserve.

1. Installation of Suunto Wireless Transmitter onto your regulator.
2. Pairing the transmitter to your Suunto Vyper Novo.
3. Enabling the wireless integration in your Suunto Vyper Novo settings.

The transmitter enters power saving mode with slower data

procedure prevents data mix-up from other divers also using a Suunto Wireless Transmitter.

NOTE: Moisture build-up around the water contact may cause the dive mode to activate. This can happen, for example, when washing your hands or sweating. To sa.7 -9.appen, for example, w 3.119e -e

4 CARE AND SUPPORT

4.1 Handling guidelines

The optional scratch guard for Suunto Vyper Novo is designed to center.
immediately have the instrument checked by your Suunto service
Shoumoe1 moisture appear inside the case or battery compartment,

All history and logbook data, as well as the altitude, personal and alarm settings, remain in the dive computer memory after the battery change. Other settings revert back to default values.

4.3 Changing strap to bungee

Use the optional bungee adapter to change between wrist strap and bungee cord as needed.

- Accuracy: ± 2 °C (± 3.6 °F) within 20 minutes of temperature change

Nitrox mode

- Oxygen: 21–50%
- Partial pressure of oxygen (pO2): 0.2 – 3.0
- Oxygen Limit Factor: 0–200% with 1% resolution
- Gas mixtures: up to 3

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- Resolution: 1 second

Logbook

- Sample rate in air and nitrox modes: default 20 seconds
- Sample rate in free diving mode: default 2 seconds
- Memory capacity: approximately 140 hours with 20-second recording interval and without transmitter data. In free dive mode, maximum capacity is 35 hours.

Tissue calculation model

- Suunto RGBM
- Maximum depth of operation: 120 m (393 ft)

5.2 Compliance

5.2.1 CE

Suunto Oy hereby declares that this product is in compliance with the essentl] Tu49quiremntlsand wohe ru49levantprodvison:sof Tj 0.00002 -9.

measurements. FIOH, notified body no.0430, hameoipC type-examined

The Warranty Period is one (1) year for accessories including but not limited to wireless sensors and transmitters, chargers, cables, rechargeable batteries, straps, bracelets and hoses.

Exclusions and Limitations

This Limited Warranty does not cover:

1. a) normal wear and tear such as scratches, abrasions, or alteration of the color and/or material of non-metallic straps, b) defects caused by rough handling, or c) defects or damage resulting from use contrary to intended or recommended use, improper care, negligence, and accidents such as dropping or crushing;
2. printed materials and packaging;
3. defects or alleged defects caused by use with any product, accessory, software and/or service not manufactured or supplied by Suunto;
4. non-rechargeable batteries.

Suunto does not warrant that the operation of the Product or accessory will be uninterrupted or error free, or that the Product or accessory will work with any hardware or software provided by a third party.

This Limited Warranty is not enforceable if the Product or accessory:

1. has been opened beyond intended use;
2. has been repaired using unauthorized spare parts; modified or repaired by unauthorized Service Center;

intended solely for the use of clients to obtain knowledge and information regarding the operation of Suunto products. Its contents shall not be used or distributed for any other purpose and/or otherwise communicated, disclosed or reproduced without

Term	What it means

Term

Term	What it means
Tissue group	Theoretical concept used to model bodily tissues for the construction of decompression tables or calculations.
Trimix	

INDEX