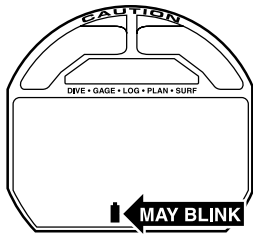
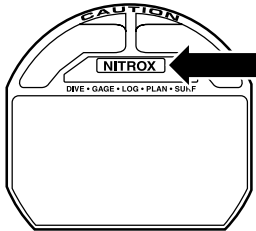


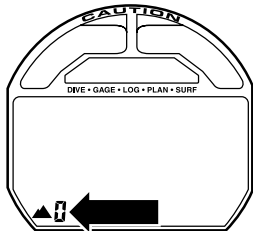
# Indicators and Warnings



**Battery** If the Battery symbol appears and blinks on and off, the battery is low and must be replaced as soon as possible. If the Battery symbol remains on all the time, the computer will not enter Dive Mode. Computers must be returned to Dive Rite or an authorized distributor for battery replacement.



**Nitrox Symbol** This symbol appears whenever the computer's F02 is set for ean22 to ean 50, or when the F02 is in Default (see below).



**Altitude Setting** The NiTek C adjusts automatically for changes in altitude. This symbol shows the current altitude setting. This can be:

0	0–2,624 ft/0–80 m
1	2,624–5,248 ft/80–160 m
2	5,248–7,872 ft/160–240 m
3	7,872–19,680 ft/240–600 m
E	Over 19,680 ft/600 m

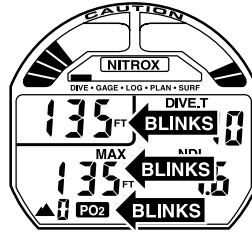
The NiTek C cannot be used above 19,680 feet/600 meters.



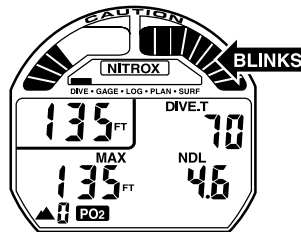
**Nitrogen and Oxygen Bar Graphs** These provide a symbolic representation of your body's theoretical exposure to nitrogen and oxygen. These levels will tend to increase during dives and decrease during surface intervals. The bar graphs will completely clear 24 hours after your last dive.

When all eight pixels appear in the Nitrogen graph, you have reached the allowable No-Deco Limit for your present depth and the Deco warning will appear (described later). When all eight pixels appear in the Oxygen bar graph, your cumulative exposure to oxygen has reached its maximum allowable limit and the Oxygen Exposure warning will appear (described later). Be aware that if you travel to a higher altitude fol-

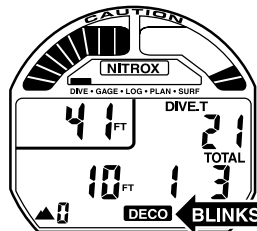
lowing a dive, the amount of residual nitrogen appearing on the NiTek C's Nitrogen bar graph may increase. If you travel to a higher altitude, it is also possible that residual nitrogen will appear on the NiTek C's Nitrogen bar graph, even though no dive has been made in the preceding 24 hours.



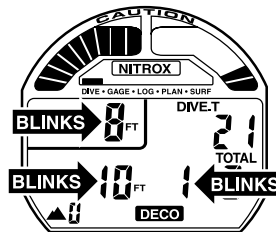
**PO2 Warning** When your current PO<sub>2</sub> exceeds 1.4 atmospheres, and audible alarm will sound and the display items shown above will blink.



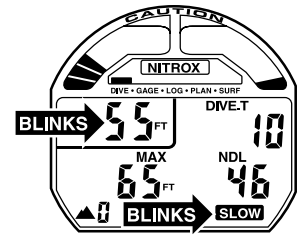
**Oxygen Exposure Warning** When the Oxygen bar graph reaches seven pixels, and audible warning will sound. When the graph reaches eight pixels, the warning will sound again and the entire Oxygen bar graph will blink until it decreases to seven pixels.



**Decompression Warning** If you exceed the allowable No-Decompression Limit for your current depth, an audible alarm will sound for three seconds and the Deco Warning, shown above, will appear and remain until your decompression stop obligation has cleared.



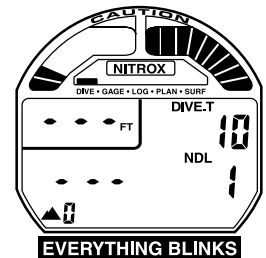
**Deco Stop Violation** Should you ascend above the indicated decompression stop depth, an audible alarm will sound and the indicated display items will start blinking and continue to blink until you return to the indicated stop depth. Should you fail to do so, and surface without completing the required decompression, the computer will be unusable for the next 24 hours (which, if you fail to decompress adequately, may be the least of your worries).



**Ascent Rate Violation** The NiTek C assumes you will keep your ascent rate within the following maximum limits:

Depth	Ascent Rate (per Minute)
0–19 ft/6 m	26 ft/8 m
20 ft/6.5 m–59 ft/18 m	40 ft/13 m
Below 60 ft/8.5 m	52 ft/15 m

If you exceed these rates, and audible alarm will sound and the SLOW indicator, shown above, will appear until your ascent rates slows to acceptable levels.



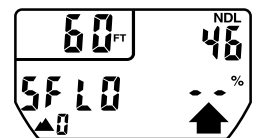
**Out of Range Warning** This warning appears if you:

- Exceed a depth of 328 ft/100 m when the F02 is set to any value other than GAGE.
- Incur a decompression stop obligation greater than 50 ft/15 m.
- Exceed a bottom time of 599 minutes.

The computer will be unusable for 24 hours following an Out of Range Warning.

## Depth, Time and Default

Your NiTek C measures dive time as beginning from the point where you descend below 5 ft/1.5 m, and ending when you ascend above a depth of 5 ft/1.5 m and remain there for at least ten minutes. After spending at least ten minutes above 5 ft/1.5 m, the NiTek C will count any further descents as being separate dives.

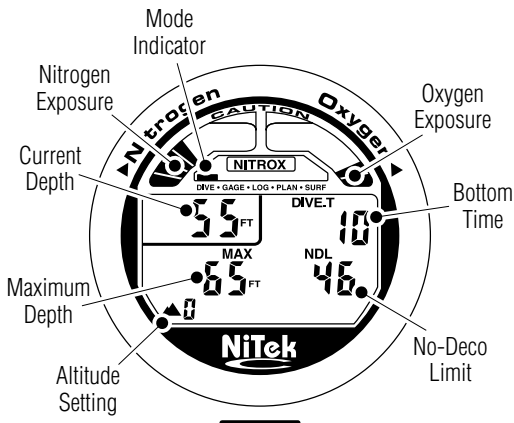


**Default** Unless set to Air, your NiTek C's F02 setting will Default to 79 percent nitrogen/99 percent oxygen at midnight (or 24 hours after making your last dive with the F02 set to GAGE). This is intended to help protect divers who forget to set the F02 prior to subsequent dives. To see whether your NiTek C has defaulted, enter Plan Mode. If your NiTek C is in Default, two horizontal bars will appear as its F02 setting, as shown above.

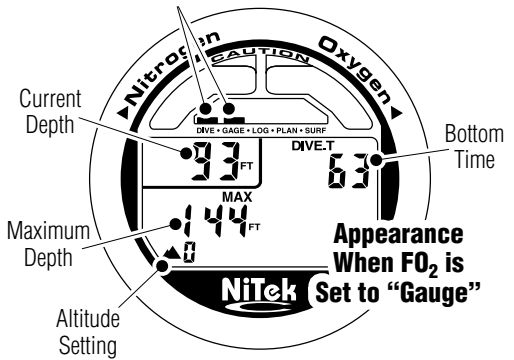
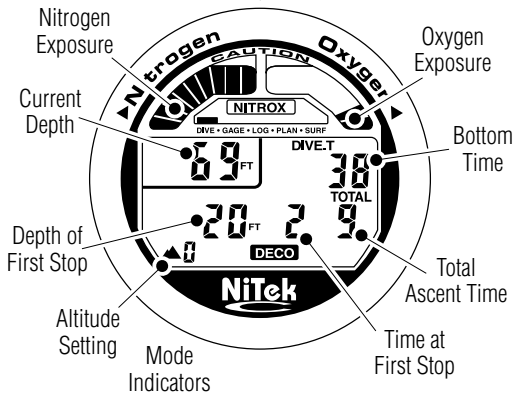


Always check your NiTek C to ensure that the F0<sub>2</sub> is set correctly prior to every dive.

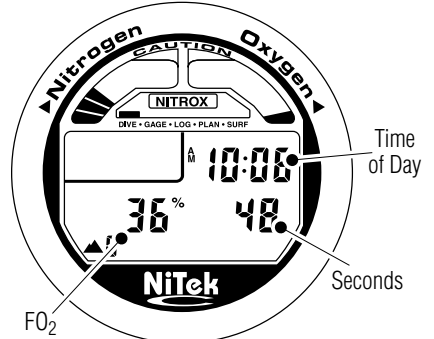
# Dive Modes



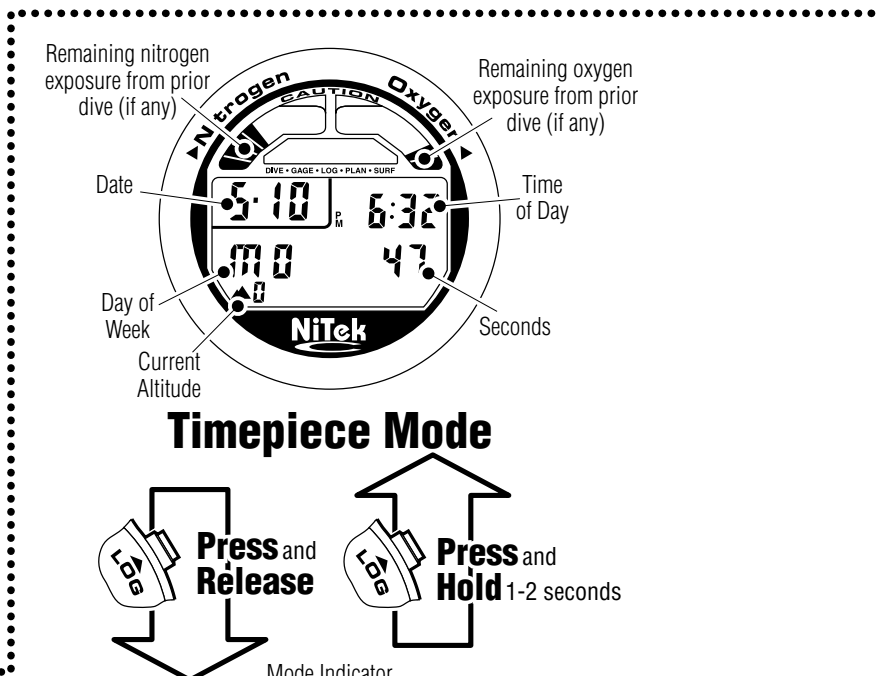
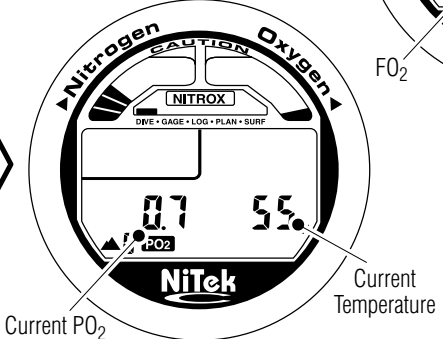
**Exceed No-Deco Limit**



**PLAN** Press and Hold



**LOG** Press and Hold

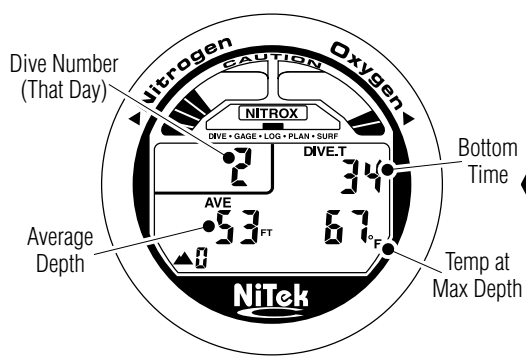


## Timepiece Mode

**LOG** Press and Release

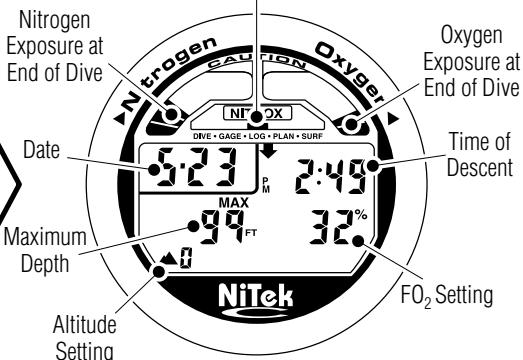
**LOG** Press and Hold 1-2 seconds

Mode Indicator



**Log Mode (2)**

**Alternates Every Four Seconds**



**Log Mode (1)**

**PLAN** Press and Hold 1-2 seconds



## Date/Time Set Mode

**Press** to change number or value  
**Hold** to change numbers rapidly

**Press and Release** to advance to next setting:

1. Second (starts here)
2. Minute
3. Hour
4. Year Press and hold the LOG and PLAN buttons for 15 seconds, while in Time Set mode, to switch between imperial and metric units
5. Month
6. Day
7. 12- or 24-hour time display?
8. Safety factor (SFL): 1 or 0?
9. Clear log?



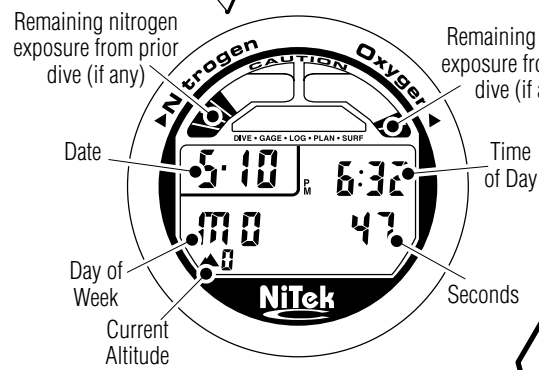
**Safety Factor Level 0:**  
Standard Level



**Safety Factor Level 1:**  
Assumes that the surface of the water is one altitude level higher than it actually is

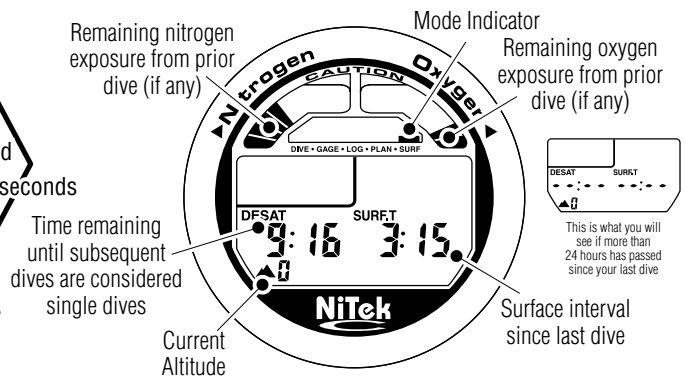
**Press and Hold** 2-3 seconds

**Press and Release** one final time to return to Timepiece Mode



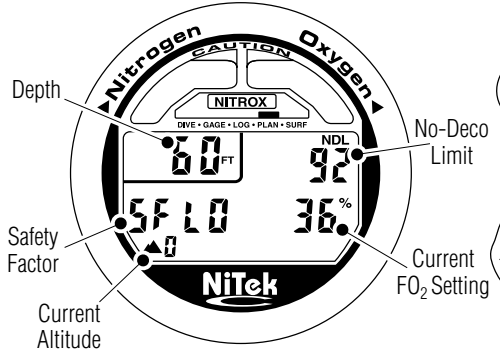
## Timepiece Mode

**Press and Hold** 1-2 seconds  
 Release to return to Timepiece Mode



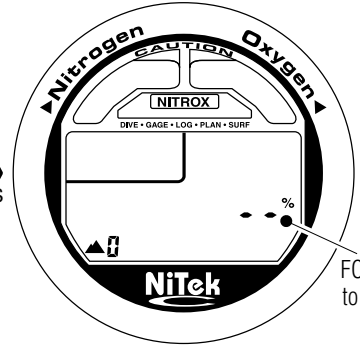
## Surface Mode

**Press and Release**  
**Press and Hold** 1-2 seconds



## Plan Mode

**Press and Hold** 1-2 seconds



## FO2 Set Mode

### FO2 Settings

- % FO2 setting in Default • (See reverse side for more info)
- R, r FO2 set for 21%
- 32% FO2 set for 22%–50%
- GAGE Gauge setting • Functions as depth gauge/bottom timer only
- FO2 Setting (Blinks to indicate that you may change it)

**Press and Release** to advance Depth

- Depth will automatically advance by ten feet every four seconds
- After displaying NDL for 160 feet, returns to Timepiece Mode

**Press** to change number or value  
**Hold** to change numbers rapidly

**Press and Release** to lock in setting and return to Plan Mode

- If the NiTek C does not appear to be functioning properly—in any manner—do not use it to dive. Return it to your authorized Dive Rite dealer for repair.
- Do not store the computer in hot and/or humid environments. The pressure transducer is sensitive to both heat and humidity. If impaired, it may cause display of incorrect altitude or depth data.
- When in hot and/or humid environments, dip the computer in water for several minutes to cool it to room temperature before using it. Similarly, allow the computer to completely warm to room temperature if it is cold and, after doing so, failure to follow these instructions may result in damage to the NiTek.
- The NiTek C's Liquid Crystal Display (LCD) may darken if left in a hot environment (such as on a car's dashboard). It will return to normal once allowed to cool; however, extension exposure to heat may shorten LCD life.
- Be aware that weather-related changes in air pressure can cause incorrect display of altitude settings. Be sure to check indicated altitude settings against actual altitude before use.
- The NiTek C is not to be disassembled by anyone other than Dive Rite or its authorized dealers. Unauthorized disassembly will violate the warranty.
- If the NiTek C does not appear to be functioning properly—in any manner—do not use it to dive. Return it to your authorized Dive Rite dealer for repair.

**NiTek C Limited Warranty**

- Dive Rite will—at its sole discretion—repair or replace NiTek C's provided to be damaged by faulty manufacture or material, at no cost, for a period of up to one year (365 days) from the date of purchase.
- This warranty applies only to the original retail purchaser. It does not cover commercial or rental use, nor does it extend to units purchased from other than an authorized Dive Rite dealer.
- This warranty specifically excludes battery depletion or other conditions resulting from misuse, negligence, alteration, accident or unauthorized repair.
- To make a claim under this warranty, the owner must have either completed and returned the Warranty Registration card in the back of this manual at the time of purchase, or registered his/her warranty using Dive Rite's website ([www.diverite.com](http://www.diverite.com)). He or she must then return the damaged items to Dive Rite, along with a copy of the original purchase invoice or receipt. No warranty service will be performed for other than registered owners.
- This warranty becomes void if the NiTek system components are damaged by anything other than normal recreational diving use, or if they have been serviced or repaired by other than authorized Dive Rite dealers.
- Repairs made under this warranty will not extend the warranty period.
- All further claims, especially for damage after diving accidents, are excluded from coverage under this warranty.
- Dive Rite has no obligation to honor any extension of this warranty.

**Handling and Care, Continued**

- Do not store the computer in hot and/or humid environments. The pressure transducer is sensitive to both heat and humidity. If impaired, it may cause display of incorrect altitude or depth data.
- When in hot and/or humid environments, dip the computer in water for several minutes to cool it to room temperature before using it. Similarly, allow the computer to completely warm to room temperature if it is cold and, after doing so, failure to follow these instructions may result in damage to the NiTek.
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- If the NiTek C does not appear to be functioning properly—in any manner—do not use it to dive. Return it to your authorized Dive Rite dealer for repair.



**General Warnings and Care**

**WARNING**

Before using your NiTek C, it is extremely important you read the following points and follow the recommendations they provide. Failure to do so could result in *damage to or loss of equipment, serious personal injury or death.*

- The NiTek C is designed for use by certified, recreational divers who have maintained a sufficient level of knowledge and skill proficiency through a combination of formal training, ongoing study and experience. It is not intended for use by persons who lack these qualifications and, thus, may not be able to identify, assess and manage the risks scuba diving entails. Use of the NiTek C in conjunction with Enriched Air Nitrox (EANX), further requires that divers be trained and certified for Nitrox diving.
- The NiTek C is designed for use by divers breathing either normal compressed air or Enriched Air Nitrox (eanx) mixtures whose fraction of oxygen (FO<sub>2</sub>) falls within a range of from 22 to 50 percent.
- The NiTek C is designed to be used by only one diver at a time. Divers should not share a single NiTek C—or any other dive computer—on the same dive. Additionally, no diver should lend his or her NiTek C to anyone else until it calculates that no measur-

able residual nitrogen remains after previous dives, and no longer displays the "Desaturation Time" indicator while in Surface Mode. Further, no diver should use his or her NiTek C for repetitive dives—unless that same NiTek C has accompanied him or her on all previous dives in the same repetitive dive series.

- Neither the NiTek C—nor any other dive computer presently available—physically measures the amount of nitrogen present in body tissues, or the rate at which this nitrogen is being absorbed or released. Instead, the NiTek C monitors depth and time, and uses this data to work a mathematical formula designed to emulate how individuals in good general health and whose physical characteristics do not place them among those at higher risk of decompression illness are assumed to absorb and release nitrogen from body tissues. Thus, the NiTek C cannot compensate for factors such as age, obesity, dehydration, cold or exertion, which experts believe place divers at greater risk of DCI. If these, or similar factors apply to you, use the NiTek C—and any other dive computer or dive table—with even greater caution.
- Experts still know surprisingly little regarding the exact nature and causes of decompression illness (also known as decompression sickness, DCI or DCS). Susceptibility to DCI may

vary substantially from person to person and from day to day. Neither the NiTek C—nor any other dive table or computer—can guarantee that you will not suffer decompression illness. Even though you use these items correctly, you may still suffer DCI. Use your NiTek C conservatively, and in conjunction with other dive planning devices, such as dive tables. Do not rely on the NiTek C, or any similar device, as your sole means of avoiding decompression illness.

**Handling and Care**

- Rinse the NiTek C thoroughly in fresh water following every dive.
- Do not use cleansers, chemicals or solvent to clean the NiTek C. Use a soft cloth to gently wipe dirt or water stains from the computer.
- The glass display may be damaged (and its water resistance impaired) if exposed to: solvents such as alcohol or gasoline; cosmetic products such as hair spray or liquid soaps; alkaline substances; aromatic hydrocarbon solvents; and, halogenated hydrocarbon solvents.
- Store the NiTekC in a cool, dry location. After diving, wipe the computer dry and store it in a location separate from other damp items.

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