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"Equipment For Serious Divers Since 1984"

CO8200
# NiTek X

Quick Start Guide

Introduction:

This Quick Start Guide will help you get started and get you in the water with the NiTek X. Navigating the menu of the NiTek X is intuitive, the A (left) and B (right) buttons are used in the same way across all screens. Press the A button to select, the B button to scroll through, and the A button again to confirm the choice.

Getting Started:

• To wake up the NiTek X, press any button.
• To return to surface mode from any other mode, press and hold the A button.
• To turn on the backlight, press the B button.
• To change from OC (Open Circuit) Mode to CC (Closed Circuit) Mode, press A and B buttons simultaneously.
• To scroll through the different menus, press A.

Surface Mode:

The surface mode is the default screen. It shows battery power, date, time, choice of OC or CC and the first gas mix you will use when diving.
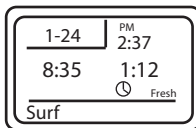
To change the date and time, hold down the B button.
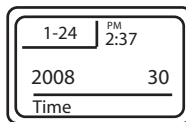
Cycle through the options by pressing A, make changes by pressing B, and confirm your choices by pressing A again.
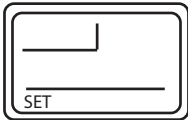
To select the setpoint (SP) in CC mode or the mix in O/C mode, hold the A button for 3 seconds and then press the A button again. Change the SP or mix with the B button.
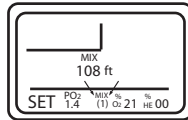
Note:
If no buttons are pushed within about 20 seconds, the screen will return to its previous setting.

SET:

The SET mode allows you to program up to 7 gasses.

The B button scrolls through the mix number, PO2, O2% and He% - these will flash, keep pressing B until the desired choice appears

```
        MIX
      108 ft
SET  PO2    MIX  %      %
     1.4   (1)  O2 21  HE 00
```
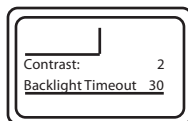
After programing the first mix, you have the option of setting alarms for depth and/or time. When an alarm is set, a small flashing icon appears on the surface mode screen.

```
                    DiveT Min
  -108ft-             30
       Max
       OFF      ON
                 ⊙
SET
```
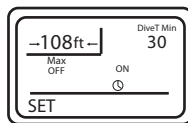
You can then set your conservatism, [choice of CONS-0, CONS-1, CONS-2 or CONS-CF (custom gradient)], as well as Meter or Ft, Fresh or Sea Water, and Pt (gives you a choice of sampling for logging purposes every 15 or 30 seconds.)
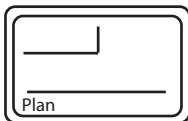
```
              ft
  Cons 2    Pt 15
                    Fresh
```
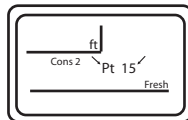
Set Contrast: 0-10
Set backlight: 2 to 20 sec, or never
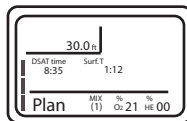
```
Contrast:            2
Backlight Timeout   30
```

PLAN:

The PLAN mode allows you to preplan your dive. The computer will use the mixes programmed in SET mode.

Use B button to descend

```
       30.0 ft
DSAT time    Surf.T
  8:35        1:12
Plan    MIX    %      %
       (1)  O2 21  HE 00
```
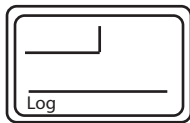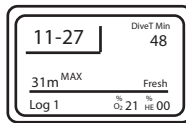
LOG:

The LOG function allows you to
view your dive depth and time. Log
book will hold up to 15 hours.

The B button scrolls
through the log book dives.

Log	

```
11-27        DiveT Min
                48
31m MAX        Fresh
Log 1      %      %
        O₂ 21  He 00
```

PROF:

The PROF function allows you to view
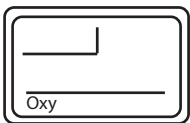a profile of your dives in a graph format.
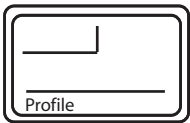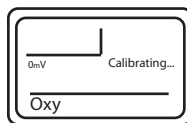
The B button scrolls
through log book of graphs.

OXY:

The OXY mode allows you to use the
NiTek X to read an external O2 cell.
Make sure you calibrate before use.

Note: Air check 8-14 mV. Calibrate with
pure 02. The O2 cell must be between 38-66
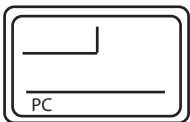mV in order for calibration to occur.

Press the A button then the
B button to calibrate the O2
cell. The screen will display
"CALIBRATING…"

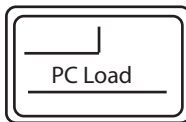If the calibration
is not successful it
will say "FAILED
CALIBRATION OUT
OF RANGE."

PC:

PC mode allows you to download
your dives onto your computer.

Set to PC mode
when downloading

PC load will appear when
download is in progress

Tech Specs:

- Monitors up to 7 different gas mixtures including helium, nitrogen and oxygen
- Underwater gas switching, plus changing between open and closed circuit
- Modified Bühlmann ZH-L16 algorithm with gradient factors
- Oxygen exposure tracking display via OLI (oxygen limit index) bar graph
- OTU available by download with desktop logbook program
- Visible warnings for PO2, deco violation, ascent rate, and fourth cell error for CCR
- Dive mode screen will display prior to entering water
- Date and time display
- Current and max depth display
- Dive time elapsed and no-decompression time remaining display
- Desaturation and time-to-fly information display
- Back lighting LCD visible in all light conditions
- Logbook will hold a minimum of 15 hours based on settings
- PC and MAC uploadable with NiTek Workbench software and optional PC interface
- Maximum depth 492 feet (149 meters)
- Adjusts automatically for altitude up to 19,685 (6,000 meters)
- Imperial and Metric units of measure
- User replaceable lithium CR123A battery
- 3.9-inches wide X 3.7-inches high X 0.78-inches thick (9.9cm wide x 9.39 cm high x 1.98 cm thick)
- Mil-Spec Hard anodized aluminum case with scratch-resistant, mineral glass screen 12 oz. (340 gms)
- Made in the USA

Warranty Information

Dive Rite will—at its sole discretion—repair or replace NiTek X components proved to be damaged by faulty manufacture or material, at no cost, for a period of up to two years 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.

Find our complete Warranty Policy here:
http://www.diverite.com/products/warrantypolicy