



D-90204

N3 Product Specifications

Rev 1

November 24, 2009



Summary

The N3 is a digital altimeter which can be used as either an audible or visual altimeter.

This document lists the specs and features of the N3. For detailed instructions on the use of the N3, see D-90114 User Guide, N3.

Housing

- Aluminum case
- Toughened glass lens
- Clickable flush buttons
- USB rechargeable.
 - Most users get two weeks between charges.
 - The battery is factory replaceable.
- USB interface to PC
- Waterproof up to six feet for up to one hour.

Accessories

- Updatable firmware
- Wrist strap
- Hand mount
- Hand mounting sleeve
- Wrist mounting sleeve
- Zip ties for helmet mounting option.
- Mini USB cable

Overall N3 Specs

Overall Dimensions	2.45" x 1.7" x .48"
Weight	1.3 oz (without mount)
Temperature	-20 deg C to +60 deg C
Max Depth (Waterproofing)	6 feet 1 hour



Body Material	Anodized Aluminum
Battery Type	Rechargeable Lithium Ion



Alarms

- Eight alarm groups which each have alarm altitudes that may be set independently.
 - Alarm groups may be set to either freefall or canopy and it is possible to have one freefall alarm group and one canopy alarm group active at the same time.
- Canopy and free fall alarm altitude may be adjusted.
 - Freefall alarms may be set between 20,000 feet/ 6095 metres and 1000 feet/300 metres. Freefall alarms are adjustable in 100 foot/30 metre increments and freefall alarms may be set no closer than 500 ft/150 metres.
 - Canopy alarms may be set between 20,000 feet/6095 metres and 100 feet/30 metres. Canopy alarms are adjustable in 10 foot/5 metre increments and canopy alarms may be set no closer than 100 feet/30 metres.
- Canopy alarm volume may be set to loud for those wishing to hear the canopy alarms from their wrist.
- Alarms sound at 4KHz.

Logs

- Logs 200+ jump Profiles and 2,500+ jump Summaries.
 - Each jump Summary shows the date and time of the jump, the total freefall and canopy times, exit and deployment altitudes, average speed, the speeds at four altitudes, the alarm groups used, and the DZ and AC that was set for the jump.
 - The jump Profiles are detailed records of a jump. Profile data cannot be viewed directly on the N3, or on the NMU.



- Jump odometer
 - Odometer count increases with each jump but may be reset at any time.
- Next jump number may be entered manually.
- Up to 32 drop zone and aircraft names can be entered using the NMU.
 - Names must not exceed ten characters.
- Display of accumulated freefall time and accumulated canopy time, both of which can be adjusted by the user.

Display

- Time can be set to 12 or 24 hour.
- Date can be set to USA or International format.
- Temperature can be displayed in F or C.
- Speed can be displayed in mph or kmh.
- Altitude can be displayed in feet or in metres.
 - 100 ft/1m resolution in freefall.
 - 10 ft/1m resolution under canopy and on the ground.
 - Displays QNE to 10ft/1m resolution.
- Contrast of the LCD may be adjusted.
- Backlight which can be enabled or disabled.
 - When enabled the backlight will be lit on the ground and in the aircraft only when buttons are pushed.
 - During the jump the backlight will be lit with the exception of when the alarms are sounding.
- LCD may be flipped.
- Menu scrolls and wraps.
- Canopy display can be changed with the NMU to switch resolution from tens of feet to 100's of feet.
- Climb screen can toggle between showing the altitude or the time.



Clocks and Timers

- Sleep timer
 - Disables logging functions.
 - Can be set in one hour increments for a maximum of 99 hours and can be disabled manually at any time.
- Alarm clock
 - Can be set to go off at any time and has a standard alarm clock beep sequence.
 - Can be manually canceled.
- Load timer
 - Can be set in one minute increments for a minimum of one minute and a maximum of 99 minutes.

Modes

- Manual Mode
 - In Manual Mode, the altitude must be entered manually.
 - Altimeter performs as a very basic altimeter. The display will not time out, jumps will not be logged, the altimeter cannot be connected to the NMU. Freefall alarms will still sound if enabled.
- Training Mode
 - Three available simulated jumps: High Speed Malfunction, Low Speed Malfunction and Normal Jump.
- Demo Mode
 - Allows preview of all alarms as well as a preview of all screens seen during a jump.



- DZ offset
 - Can be used to manually change the altitude when takeoff elevation differs from landing elevation.
 - Values may be set to a minimum of 10 feet lower or higher than takeoff altitude and a maximum of 9999 feet lower or higher than takeoff altitude.
- I'm On the Ground
 - Can be used to reset the device to ground level.
- I'm On a Jump
 - Can be used to keep the altimeter in its regular skydive sequence and prevent premature reset to ground level due to very slow climb or holding at low altitudes.