

VHF Specifications:

Antenna:

Connector: SMA
Type: Whip
Gain: -3.12dBi
Impedance: 50 Ohm

Operational Channels: All Canadian, US, and International Marine VHF channels.
Frequency Range: 156.025 - 157.425 MHz
Channel Spacing: 25kHz

Power Source: 3.7 Volt Li-On Battery
1850 mA-hours

Temperature Range: -10 to 40C

Transmit Specifications:

Frequency Range: 156.025 - 157.425 MHz
Output Power: 1.85 Watts +0 dB / -3.5dB

Modulation: 16K0G3E, FM, Voice
16K0G2B, DSC

Frequency Tolerance: 10ppm

Voice Mode:

Deviation: 5kHz maximum
Audio Frequency Response: +1 / -3dB , from pre-emphasized curve, 300 to 3 kHz
Audio Distortion: < 10%

DSC Mode:

Modulation Index: 2 +/- 10%

Adjacent Channel Power: 70dBc

Conducted Spurious Emissions: < 0.25uW

Receiver Specifications:

Frequency Range: 156.050 - 163.275 MHz

Sensitivity: 0.35uV, typical for 12dB SINAD
Squelch Sensitivity: 0.25uV, typical

Audio Output Power: 0.4 Watts (into internal 8 Ohm Speaker)
Audio Frequency Response: +1 / -3dB , from pre-emphasized curve, 300 to 3 kHz
Audio Distortion: < 10%

Approvals: Industry Canada RS-182, Certification Number, IC: 9904A-NLDIVER01
FCC Part 80, FCC Identifier, ZNJ0020926606

GPS Specifications

Diver Rescue Device

The Nautilus Diver incorporates a Navman, Jupiter 3, High Sensitivity GPS module.

Minimum GPS Performance Characteristics :

Parameter	Measurement
- GPS receiver channels	20 parallel channels
- GPS antenna type	Active Ceramic Patch Antenna, 12dB gain, RHCP
- Acquisition time	Hot Start, 500mSec typ, Cold Start, < 38sec
- Reacquisition	< 1 sec
- Accuracy	2.5m, position error 50% under normal open sky conditions
- Sensitivity	-145dBm Cold Start, -159 dBm, tracking
- Frequency	1575.42MHz (L1)