OPERATIONAL DESCRIPTION

1.1. EUT description

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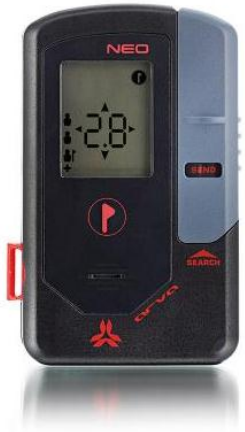

NEO

PERFORMANCE // USER FRIENDLY // 100% DIGITAL

NEW

PICTURES

TECHNICAL DATA

Battery check & Frequencies	YES
Group check	YES
Automatic return to sending mode	YES
Analog	NO
Stand by mode	NO
U-turn Alarm	YES
Transmitter / Receiver: International Frequency (kHz)	457
Antennas	3
Maximum range (in meters)	70
2 search modes: Novice, Expert	NO
Transmitting autonomy (in hours)	250
Weight (grams)	230
Function marking victims	YES
Digital	YES
Searching autonomy (in hours)	40
Number of victims	4+
Earphones plug	NO
5 years warranty	YES
Search bandwidth	60
Backlight screen	YES
Software update	NO
Scrolling function	NO

Intuitive and performance are keywords that help to define our latest device, the NEO. With a search bandwidth never seen on the market, and improved performance in reliability and speed, the NEO is the most powerfull device on the market.

The simple and powerfull designed matches both the demanding needs of the most advanced users, who will be impressed by its incredible range, as well as beginners, who will appreciate the user friendliness of this beacon.

ISOTECH Technology
Modern beacons have three receiving antennas, two of them are used simultaneously to catch a signal inthe primary search. Most of the time the 2nd antenna's performance is less than the primary one. This affects the search bandwidth distance which is calculated on the worst reception scenario. µ

The NEO is the first beacon to have equal performance on both antennas and consequently it's the first beacon to consistently and confidently achieve a 60 meters search bandwidth.

1.2. Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

1.3. Tested System Details

The system was configured for testing in a typical fashion (as a customer would normally use it). All configurations of EUT is considered, worst cases are presented in this test report.

Power supply:

- Battery: 3 x LR03, 1.5V x 3 batteries.

During all the tests, EUT is supplied by 3 new batteries.

Input/output:

- None

Auxiliaries used for testing:

- None

I/O cables used for testing:

- None

Equipment information – 457kHz:

- External antenna connector: NO
- Radiated fundamental frequency band: 457kHz
- Antenna type: Integral
- Number of channel: 1 @ 457kHz
- Equipment designed for continuous operation: NO, emitted each 750ms during 100ms (Declaration of provider)

Equipment under test can set with following parameters:

- ***@457kHz***

- Transmission like usually

1.4. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003 FCC Part 15 Subpart B and C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.5. Test facility

Tests have been performed August 1st, 2013.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-2003 in a letter dated March 25th, 2008 (registration number 94821). This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.