



The extra
long breath
beacon.



It was the first – and is now the first choice 90-day ULD. PT9 Ninety meets the requirements of IMO.

Recommended by
International Maritime Organization IMO:

All ships built after July 1, 2014 must be fitted with Underwater Locating Devices (ULDs) that ensure transmission for at least 90 days. MSC.333(90) / MSC.163(78)



**Corrosion-resistance
guaranteed**

A new formulated ceramic coating topped the already excellent corrosion protection. Hence the PT9 NINETY withstands the extreme environmental conditions on sea even longer. Approved in long term testing and guaranteed by us.



**The worldwide
available ULD**

The PT9 NINETY's worldwide distributor network guarantees a fast availability on site.



**The PT9 NINETY
power source**

A self-contained lithium metal battery. Field replaceable and non-restricted for transport! (UN3091/PI970)



Performance standards according to SAE AS8045a:

Dimensions Weight

Length
100 mm (3.92 inches)
Diameter
33 mm (1.3 inches)
same as PT9 C-Proof
Weight
187 g (6.6 ounces)

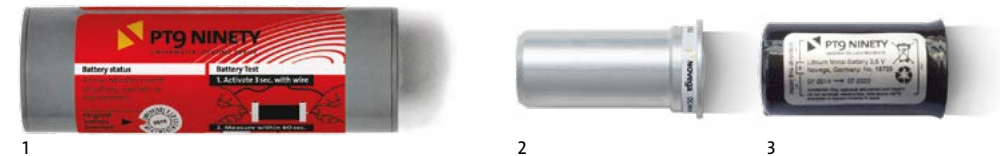
Operating Details

Actuation
Automatically by both, fresh and salt water, at all depths from 0.15 m (0.5 ft) to 6096 m (20000 ft) within 4 hours after immersion
Operating Depth
Surface to 6096 m (20000 ft)
Operating Temperature
-2°C (28°F) to +38°C (100°F)
Radiation Pattern
80% of a spherical pattern
Operating Frequency
37.5 ± 1 kHz
Pulse Length
9.0 ms minimum
Repetition Rate
0.9 pulse/s minimum
Operating Life
90 days

Acoustic Outputs on Activation

Initial Operation
106 N/m²
(1060 dyne/cm²) r.m.s.
(during the pulse)
pressure normalized to 1 metre range, that is, at a level of 160.5 dB vs 1 µPa at 1 metre
Immediately after 90 days continuous operation
70 N/m² (700 dyne/cm²) r.m.s. (during the pulse)
pressure normalized at 1 metre range, that is, at a level of 157 dB vs 1 µPa at 1 metre

Keep your PT9 Ninety running. Quick and safe.



The PT9 NINETY Periphery compatible with all PT9 ULDs

- PT9 NINETY**
Underwater Locating Device (ULD) which guarantees 90 days transmission time
- DC-Meter**
Facilitates the measurement of sleep mode current during battery replacement
- Battery Replacement Kit**
Battery plus greased O-Ring
- Pressure Dispense Clamp**
Facilitates opening of the ULD
- Torque 3.0**
3Nm torque wrench for a safe opening and closing of the ULD
- ULYSER Tester and Analyser**
All necessary functional tests and data polling tasks are performed easily. The test documentation can be saved and printed using a PC
- TAG 2550 Beacon Tester**
For acoustic tests of the ULD





Locate the difference

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