

PT9 NINETY Underwater Locating Device



It was the first – and is now the first choice 90-day ULD.
(Underwater Locating Device).

PT9 NINETY meets the requirements of IMO MSC.333(90) and is a direct replacement for existing ULDs, as certified by BSH. (S)VDRs which are pre MSS.333(90), can be fitted with a PT-9 ULD.



Corrosion-resistance guaranteed

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



The worldwide available ULD

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



The PT9 NINETY power source

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

The PT9 NINETY Periphery, compatible with all PT9 ULDs

1 PT9 NINETY

Underwater Locating Device (ULD) guarantees 90 days transmission time

2 DC-Meter

Facilitates the measurement of sleep mode current during battery replacement

3 Battery Replacement Kit

Battery plus greased O-Ring

4 Pressure Dispense Clamp

Facilitates opening of the ULD

5 Torque 3.0

3Nm torque wrench for a safe opening and closing of the ULD

6 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

7 TAG 2550 Beacon Tester

For acoustic tests of the ULD

Performance standards according to SAE AS8045a:

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

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)