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)
Performance standards according to SAE AS8045a:

Dimensions

<table>
<thead>
<tr>
<th>Weight</th>
<th>Length</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>187 g</td>
<td>100 mm</td>
</tr>
<tr>
<td>Length</td>
<td>100 mm</td>
<td>33 mm</td>
</tr>
</tbody>
</table>

Dimensions

- **Weight**: 187 g (6.6 ounces)
- **Length**: 100 mm (3.92 inches)
- **Diameter**: 33 mm (1.3 inches)

Same as PT9 C-Proof

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

1. **PT9 Ninety**
   Underwater Locating Device (ULD) which 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
Locate the difference

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