

Recommended by MSC

# The new standard: 90 days!



**PT9 NINETY**

UNDERWATER LOCATING DEVICE



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## Manufactured

Arrow indicates month of battery insertion or replacement:

JAN  
FEB  
MAR  
APR  
MAY  
JUN  
JUL  
AUG  
SEP

Original  
battery  
inserted:



Battery durability

## Battery Test

1. Activate 3 sec. with wire



2. Measure within 60 sec.

# **The answer: The new PT9 Ninety.**

On ships which are built on or after 1. July 2014,  
underwater locating devices must ensure a regulatory  
transmission time of at least 90 days.

# Minimum performance standards:

## Dimensions

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

## Power Source

- ▶ Self-contained, lithium battery  
(field replaceable)
- ▶ Non restricted for transport  
(UN3091/Pl970)



## 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/m<sup>2</sup> (1060 dyne/cm<sup>2</sup>) 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/m<sup>2</sup> (700 dyne/cm<sup>2</sup>) 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

Compatibility to all PT9 beacons

# Same dimensions, same equipment.

Use the PT9 Periphery with the PT9 C-Proof as well as the new PT9 Ninety.

- 1 Pressure dispense clamp
- 2 Adaptor plate set
- 3 PT9 Ninety acoustic beacon (90 days transmission time)
- 4 PT9 C-Proof acoustic beacon (30 days transmission time)
- 5 TAG2550-C data logger
- 6 TAG2550 beacon tester
- 7 Spanner tool
- 8 Battery replacement kit for PT9 Ninety
- 9 Battery replacement kit for PT9 C-Proof





### **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.



### **BSH approved compatibility.**

The PT9 adaptor kits guarantee you the compatibility to all customary VDR- and S-VDR data protective capsules. Verified by the BSH, the international accredited Federal Maritime and Hydrographic Agency.



### **Contact and further Information:**

Novega Produktionssysteme GmbH  
Gewerbepark 2 | 87477 Sulzberg (See) | Germany  
Tel +49/8376/92990-0 | Fax +49/8376/92990-20  
info@novega.de | [www.novega-sea.com](http://www.novega-sea.com)

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