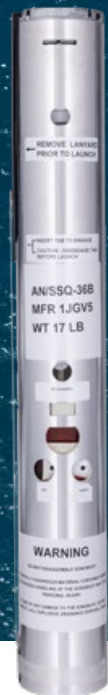


AN/SSQ-36B EXBT Sonobuoy

Expendable Bathythermal Sonobuoy



Key features

- 0-2625 ft (0-800 m)
- Highly accurate temperature sensitivity
- Low power 99 channel transmitter
- 14.9 lbs / 4.8 kg
- Field programmable
- Air launchable from fixed or rotary-wing aircraft

Overview

The AN/SSQ-36B is a NATO A-size sonobuoy manufactured for the U.S. Navy which provides vertical temperature profiles of the ocean layer for research and ASW purposes. The AN/SSQ-36B is widely used for airborne Anti-Submarine Warfare (ASW) applications to evaluate local effects of seawater temperature on sonar propagation and acoustic range prediction. Basic capabilities include a 2625 feet (800 meter) temperature profile and the capability to select one VHF transmitter channel out of 99 available channels.

A thermistor located in the probe measures the changes in seawater temperature during descent from the surface to a depth of 2,625ft. The data can be processed and displayed as temperature versus depth via RF transmittal to the launch aircraft or receiving platform. The AN/SSQ-36B Bathythermograph is air launchable from fixed or rotary-wing aircraft. Descent of the sonobuoy is stabilized and slowed by a parachute. It is also easily deployable from the deck of a surface vessel.

Technical Specification

Physical Description

Weight	14.9 lbs / 4.8 kg
Sonobuoy Launch Container	LAU-126/A

Performance Data

RF Command Receiver	None
RF Transmitter Power Output	0.25 W minimum
RF Transmitter Operating Frequency	99 channel selectable (136.000 to 173.500 MHz)
Sensor Temperature Range	28°F (-2°C) to 95°F (35°C)
Temperature Accuracy	+/- 0.99°F
Operating Life	12 minutes
Operating Depth	0 - 2625 ft / 0 - 800m
EFS Selections	RF channel
Launch Altitude	40 to 30,000 ft / 12 to 9144 meters
Launch Speed	0 to 370 KIAS
Shelf Life	5 years in sealed container
NSN	5845-01-710-6818
CAGE Code	1JGV5



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