

Powerful Multistatic Source Sonobuoy

AN/SSQ-125B



Key features

- All digital design
- Active source
- High power 97 channel RF transmitter
- High power LiSO2 power source
- GPS support
- 38 lbs / 17.2 kg
- Field programmable
- CFS commandable
- Air launchable from multiple platforms
- Industry-leading source level

Overview

The AN/SSQ-125B is a NATO A-size sonobuoy manufactured by Ultra Maritime for use as a source in a multi-static sonobuoy field. The AN/SSQ-125B is capable of generating a variety of waveforms upon command and is designed to work with the AN/SSQ-53 (DIFAR) and AN/SSQ-101 (ADAR) sonobuoys. Prior to deployment, the AN/SSQ-125B's RF channel can be programmed to any of the standard sonobuoy operating channels. At any time after deployment, the AN/SSQ-125B can be commanded to change its operating parameters or depth (deeper only), generate a ping, or scuttle.

The AN/SSQ-125B 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	38 lbs / 17.2 kg
Sonobuoy Launch Container	LAU-126/A

Performance Data

RF Command Receiver	UHF - single channel
RF Transmitter Power Output	1 W minimum
RF Transmitter Operating Frequency	97 channel selectable (136.000 to 173.500 MHz)
RF Transmitter Stability	+/- 25 kHz
Transducer Array	Piezoelectric Ceramic, Omni Directional
Operating Life	8 hours
Duty Cycle	8.3% maximum
Ping-seconds	200
Operating Depth	Selectable D1: 65 ft / 19.8meters D2: 175 ft / 53.3meters D3: 300 ft / 91.4 meters D4: 500 ft / 152.4 meters
Launch Altitude	40 to 30,000 ft / 12 to 9144 meters
Launch Speed	0 to 370 KIAS
Shelf Life	5 years in sealed container
EFS	RF, Life, Depth
CFS	RF, Life, VHF, GPS, Scuttle, Waveform Type
NSN	5845-01-735-0480
CAGE Code	1JGV5



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