

DETECTION SOUS-MARINE

DLS2A

Sonar amagnétique

- EQUIVALENT TO THE PQS-2A
- IDEAL FOR EOD USE
- REQUIRES STATE DEPARTMENT LICENSE



The DLS-2A (equivalent to the PQS-2A) Non-Magnetic Diver Locator Sonar, is a portable self-contained sonar designed for use by Military Explosive Ordnance Disposal divers in locating underwater mines and other submerged objects. The system provides bearing and range information to the target and can also be used to locate pingers or other sound sources.

The DLS-2A uses Continuous Transmission Frequency Modulated (CTFM) sonar technology to locate objects within 20, 60, and 120 yard ranges. A continuous signal of varying frequencies is transmitted and range information is determined by comparing the transmitted frequency to the echo frequency.

As a target is located with the DLS-2A, an audible tone is generated in the underwater headset. A low tone indicates a close target whereas a high tone indicates a distant target. Moving towards the target will cause the tone to become continually lower until contact is made. Experience with the system allows an operator to determine range and target characteristics from the echo signal. When the passive mode is selected, the DLS-2A provides bearing information to a pinger or other sound source operating between 24 to 45Khz. The complete system is backed by a one-year warranty and comes complete with compass, rechargeable batteries, charger, skull cap, headset, flotation collar, o-ring lubricant, and a carrying case.

Caractéristiques techniques

Range (Active Mode)	•20, 60, or 120 Yards
Range (Passive Mode)	• >2000 Yards (1800m)
Operating Principle	• CTFM (Continuous Transmission Freq.Modulated)
Bearing Active/Passive Mode:	• Resolution Better then 2°
Operating Frequency	
Active Mode	•115-145 kHz (30 kHz Band)
Passive Mode	•24-45 kHz
Audio Signal Audio Tone	•250-2500hz
Non-Magnetic Meets	• Mil-M-19595
Operating Depth	•300 ft. (91 M)
Power Source	• Rechargeable Batteries
Battery Life	• 10 Hrs. in Active Mode
Operating Temperature	• 28°F (-2°C) to 86°F (30°C)