



DLS-1 Diver Locator Sonar



DLS-1

SPECIFICATIONS

Range (Active Mode) 20, 60, or 120 Yards
Range (Passive Mode) >2180 Yards (2000m)
Operating Principle CTFM (Continuous Transmission Freq. Modulated)

Bearing Active/Passive Mode: Resolution Better than 2°

Operating Frequency
Active Mode 115-145 kHz (30 kHz Band)
Passive Mode 24-45 kHz

Audio Signal Audio Tone, 250-2500Hz
Operating Depth 300 ft. (91 M)
Power Source Rechargeable Batteries
Battery Life 10 Hrs. in Active Mode

Weight
In Air 7.5 lbs. (3.4 kg)
In Water 10 oz. (0.3 kg)

Dimensions Length 12.5 in. (32 cm)
Diameter 4.5 in. (11.4 cm)

Operating Temperature 32°F (0°C) to 86°F (30°C)

Specifications are subject to change without notice

- ◆ **Ideal training unit for the DLS-2A or AN/PQS-2A sonar operators**
- ◆ **Small and rugged**
- ◆ **Ideal for finding submerged objects**
- ◆ **Great salvage tool**

The **DLS-1** is a portable, self-contained sonar designed for use by divers in locating submerged objects (vehicles, bodies, aircraft...) The system provides bearing and range information to the target and can also be used to locate pingers or other sound sources.

The DLS-1 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, 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. The system allows an operator to determine range and target characteristics from the echo signal. When the passive mode is selected, the DLS-1 provides bearing information to a pinger or other sound source operating between 24 to 45kHz.

The system comes with floatation collar, compass, rechargeable batteries, charger, skull cap, headset, O-ring lubricant, carrying case and a 1-year warranty.

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