



# DLS-1 Diver Locator Sonar

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



**DLS-1**

The **DLS-1** Diver Locator Sonar, manufactured by *Ultra Electronics Ocean Systems* is a portable, self-contained sonar designed for use by divers in locating submerged objects (vehicles, bodies, aircraft etc.). 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 with the DLS-1, 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-1 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 floatation collar and compass, rechargeable batteries, charger, skull cap, headset, o-ring lubricant, and a carrying case.



## **RJE International, Inc.**

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# DLS-1 Diver Locator Sonar



## DLS-1 with Floatation Collar

### ***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*



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