



DLS-2A Non-Magnetic Diver Locator Sonar



DLS-2A

SPECIFICATIONS

Range (Active Mode): 20, 60, or 120 Yards
Range (Passive Mode): >2,180 Yards (2,000m)
Operating Principle: CTFM (Continuous Transmission Freq. Modulated)

Bearing Active/Passive Mode: Resolution Better than 2°

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

Audio Signal: Audio Tone, 250-2,500Hz
Non-Magnetic: Meets Mil-M-19595
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 12.5in (32cm) Diameter 4.5in (11.4cm)

Operating Temperature: 28°F (-2°C) to 86°F (30°C)

Specifications are subject to change without notice

- ◆ **Equivalent to the PQS-2A**
- ◆ **Meets MIL-M-19595**
- ◆ **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 & 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. 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 system comes with compass, rechargeable batteries, charger, skull cap, headset, flotation collar, O-ring lubricant, carrying case and 1-year warranty.

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