

Dual Band ERAS

Echo Repeating Acoustic Source System



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Transmit, repeat and test signals with the Echo Repeater Acoustic Source system (ERAS)

ERAS is a low cost, compact and flexible sonar test system. Designed for hand-deployment from small vessels, it contains both projector and hydrophone.

ERAS is controlled by an easy-to-use Graphical User Interface, commanding the Digital Signal Processing software to Echo Repeat, Transpond and produce calibrated complex transmissions.

Features

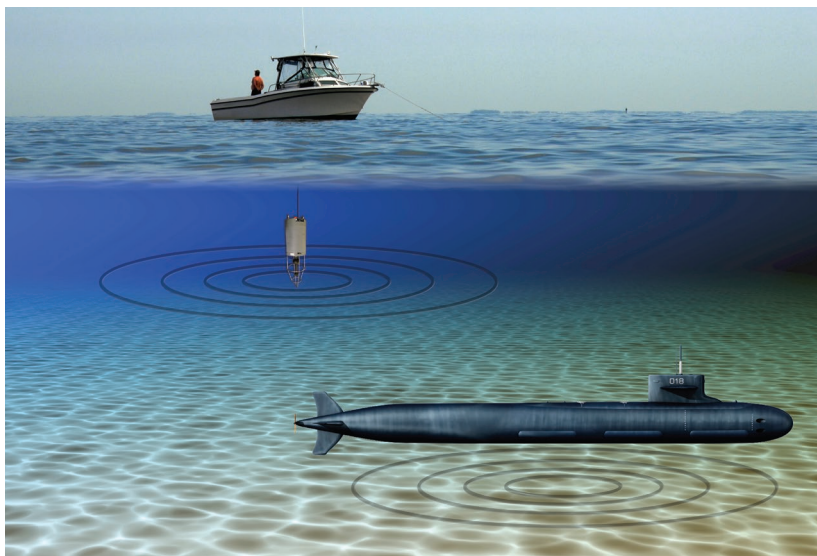
- **Compact and lightweight** system, ideal for transportation
- **Hand deployable** from a range of ocean vessels
- **Acoustic source and echo repeat functions** for generating and receiving signals

Applications

- Sonar test and calibration
- Underwater target detection
- Sonar operator training
- Noise signature simulation
- Ship noise signals

Operating modes

- Complex Signal Source
- Echo Repeater
- Transponder
- Passive Monitoring
- Passive Recording



Specifications

Modes	Source, Echo Repeat, Transpond, Passive
Transmit bandwidth	3 kHz – 50 kHz in two bands (user definable)
Horizontal beam pattern	Omni-directional
Vertical beam pattern	+/-30 ° minimum
Power requirement	90 - 250 V AC auto switching 50/60 Hz 24 V DC

Mechanical

Computer	Ruggedized Laptop
Power amplifier	4U 19" case
Transducer length (mm)	210 (ø) x 710 (L)
Transducer weight (approx.)	10 kg
Cable Length	50 m

*In view of our continual improvements, the designs and specifications of our products may vary from those described.



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