

CETACEAN RESEARCH TECHNOLOGY

Cetacean Research Technology (CRT) specializes in providing hydrophones and underwater acoustic instrumentation tailored for the applications of scientists, engineers, recording artists, and recreational enthusiasts. Since 1994, CRT's owner, Joseph Olson, has worked with other scientists and engineers, and listened closely to customer feedback to fine-tune his affordable line of hydrophones. These hydrophones and associated products are used by academic and governmental institutions, corporations, and individuals in over 40 countries, spanning every continent and ocean in the world.

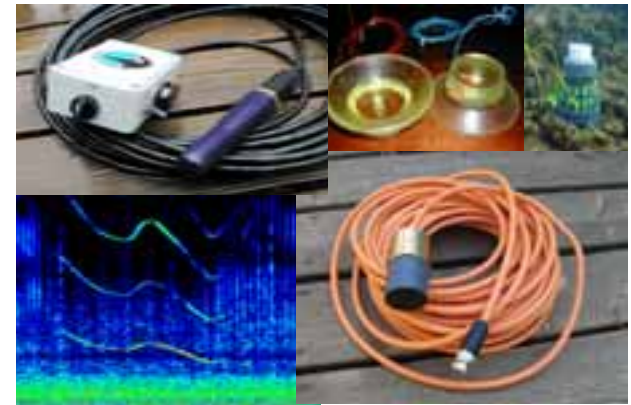
"Animal communication, especially among cetaceans, has always fascinated me," says Olson, a former president of the Puget Sound Chapter of the American Cetacean Society. "I developed my hydrophones to be easy to operate while still providing optimal frequency and sensitivity characteristics - far exceeding similarly marketed hydrophones currently available."

As a physicist, Olson has worked with technical instrumentation and underwater acoustics for over 25 years. His clientele ranges from well known organizations such as Scripps Institution of Oceanography and National Geographic Television to individual researchers, recreational whale watchers, and recording artists. CRT is committed to providing the highest quality instrumentation along with outstanding customer support.

PRODUCT DIVISIONS



CETACEAN RESEARCH TECHNOLOGY
4728 12TH AVENUE NE
SEATTLE, WA 98105
U.S.A.



UNDERWATER AND BIOACOUSTICS INSTRUMENTATION & CONSULTATION




206-297-1310


www.cetaceanresearch.com

Tools for Research, Education, & Conservation

HYDROPHONES

CETACEAN RESEARCH™ hydrophones are manufactured using superior transducers encapsulated in a durable polyurethane. Cetacean Research Technology also carries Sensor Technology hydrophones.

 **Basic Hydrophones** are general purpose hydrophones that are ideal for kayaking, recreation, eco-art, whale watching, and full audio-band signal detection.

 **Research Hydrophones** include low noise, broad bandwidth models for detecting sounds from infrasonic to ultrasonic frequencies. These are ideal for work with species ranging from blue whales to dolphins and porpoises, and are the best choice for making professional recordings. Other models are designed for detection of loud signals, such as those from pile driving, air guns, high-power sonar, or underwater explosions.

Hydrophone Systems

Underwater Noise Measurement Systems include the first and only portable, self-contained instruments designed specifically for measuring and recording underwater sound levels. PC-based systems utilize the only software-based sound pressure level meters in existence to be in compliance with ANSI S1.11 and IEC1260 standards. All systems include calibrated **CETACEAN RESEARCH™** hydrophones.















Underwater Recording Systems include a hydrophone and a digital recorder. Autonomous, Computer-based, and Portable recording systems are available. The portable SQ26-MT is the most compact underwater recording system that exists.

Whale Watching Recording Systems are portable and easy to use hydrophone systems that include a basic hydrophone, and a speaker or portable amplifier.



PRO AUDIO ACCESSORIES

CETACEAN RESEARCH TECHNOLOGY carries pro audio and other accessories for our line of hydrophones, as well as for our signal analysis tools.

- | | |
|--|---|
|  Edirol |  Compact Flash Recorders |
|  Fender | |
|  Fostex |  Portable Hard Disk Recorders |
|  Grace Design | |
|  M-Audio |  Broad Bandwidth Preamplifiers |
|  Marantz | |
|  Sound Devices |  USB Audio/MIDI Interfaces |
|  Tascam | |
|  Pelican Waterproof Cases |  Battery Powered Speakers |

SIGNAL ANALYSIS TOOLS

CETACEAN RESEARCH TECHNOLOGY carries Spectral analysis software and hardware manufactured by Sound Technology, Inc.





Sound Technology SpectraSeries – **Spectral Analysis Software** for the Bioacoustics and Underwater Sound communities worldwide.

Dynamic Signal Interface Hardware – *SoundSeries* Devices – professional alternatives to your computer sound card which allow SpectraSeries signal analysis software to function at its full potential.

Autonomous, remote-access, mobile data recorders.





SUCTION CUPS

CETACEAN RESEARCH TECHNOLOGY manufacturers both standard and custom suction cups using a FDA food-contact grade silicone and polyurethane.





- | | |
|--|---|
|  Electrode Cups |  Saddle Cups |
|  GelRelease™ Suction Cups |  Eye Cups |

CONSULTING

CETACEAN RESEARCH TECHNOLOGY (CRT) offers research and engineering support services.

-  Underwater Acoustics and Noise Analysis
-  Audio Systems Integration
-  Custom System Design
-  Marine Systems Design

CRT ADVANTAGES

-  Broadband, Low-Noise Hydrophones
-  Complete Acquisition & Analysis Systems
-  Easy-to-Use Noise Monitoring Systems
-  Full National & International Support

PARTIAL CUSTOMER LIST

Center for Bioacoustics, University of Pavia, Italy
National Geographic Television
The Whale Museum, Friday Harbor, WA
Scripps Institution of Oceanography
Whale watching operations worldwide
United States Navy

For more information, contact us:

CETACEAN RESEARCH TECHNOLOGY

4728 12th Avenue NE
Seattle, WA 98105 USA

Telephone: 206-297-1310 M-F 9a-5p
Toll free within the US and Canada: 877-824-5432

www.cetaceanresearch.com

European residents please contact
our distributor:



Strada della Carità 8
20135 Milano Italia
Telephone: +39 328-725-5407



Printed on Recycled Paper