



SOUNDNINE INC

Tools for Real-time Marine
Research and Monitoring

Real-Time Salinity

XIM-CTD

The XIM-CTD delivers accurate real-time conductivity, temperature, depth, and tilt measurements at remarkably low cost in a stand alone instrument with integrated inductive communications.

This sensor enables reasonable cost salinity measurement on expendable platforms like surface drifters and in high-risk environments like under surface ice.

Soundnine's high speed inductive communication allows fast, power efficient, simultaneous sampling and data collection from multiple sensors with a single command. Integrated error detection codes eliminate communication errors from your dataset. Soundnine's Ultimodem inductive modem also supports communication with sensors from Sea-Bird Electronics.



The conductivity sensor is a coated glass three electrode oscillator-based sensor similar to conductivity sensors from Sea-Bird Electronics.

It provides consistent performance in very fresh or very salty water. Unlike other CTDs, there is no loss of resolution in fresh water. It is very power-efficient and its response to changing conductivity is both fast and accurate over the full measurement range.

The XIM-CTD mounts concentrically on on plastic-jacketed wire rope with provided clamps. The tapered ends reduce impact and snagging from nets, lines, and debris. Replaceable copper mesh provides bio-fouling protection.



Soundnine Inc
11863 124th Ave NE
Kirkland, WA 98034 USA

R0124

www.soundnine.com
Tel: 866-388-7277
info@soundnine.com

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XIM-CTD**Specifications:**

	<u>Range</u>	<u>Accuracy</u>	<u>Resolution</u>
Conductivity:	0- 9 S/m	±0.005 S/m	0.0001 S/m
Temperature	-5 - 45° C	±0.005° C	0.00001° C
Pressure Sensor	100 dbar	± 0.5%	0.01%

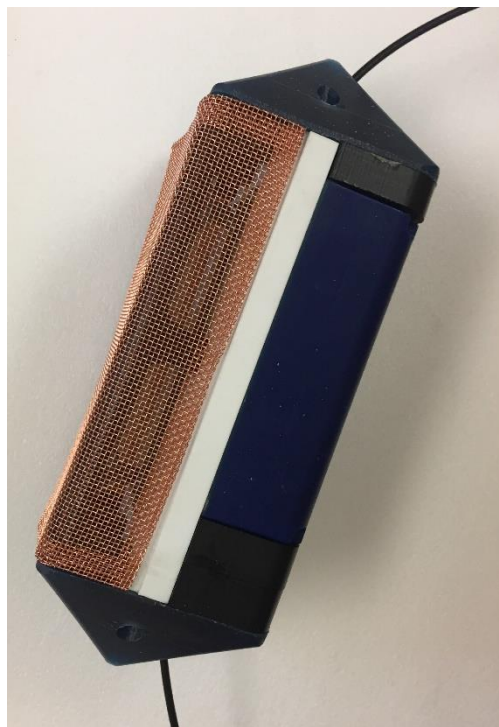
Pressure rating: 150 dbar

Size: 9.5 cm x 9.5 cm x x 23 cm

Mass: 1500g

Battery: Alkaline 6V, good for at least 5 years

Allowable Cable Size: 3mm to 11mm

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