



ASL Introduces the Compact Acoustic Zooplankton Fish Profiler-nano (AZFP-nano)

ASL is proud to announce the Acoustic Zooplankton Fish Profiler ([AZFP](#))-nano to its family of advanced acoustic instruments for aquatic environments. This compact, lightweight, single frequency scientific echosounder is a miniaturized version of the [AZFP](#) and is well-suited for applications in challenging environments where size and weight are important considerations. This advanced profiler was developed to measure a wide range of physical and biological parameters including, zooplankton, fish, algae, bubbles and suspended sediments within the water column. The [AZFP-nano](#) has useful applications for fisheries sciences, oceanography and environmental monitoring and due to its compact design, the AZFP-nano can easily fit on AUVs, CTD rosette sampler and other instrument packages.



The unit uses nine common D-sized batteries with enough power for multi-week deployments. The instrument comes factory calibrated with a 200 kHz transducer with other transducers soon to be added. In the summer of 2024, the [AZFP-nano](#) was part of an International [climate research expedition](#) off the southeast coast of Greenland where it was used to collect 14 kilometers of water column data in a study focused on glacial-ocean interactions.

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