Product code: OCEANOPS-ULS

A bottom-mounted sensor system designed for vessel noise measurements. JASCO’s ULS can also detect, identify, and locate vessels and marine mammals and measure ambient noise. The ULS also supports non-acoustic ocean observation via integrated oceanographic sensors.

SPECIFICATIONS

Acoustic sensors: Four omnidirectional hydrophones in a tetrahedral spatial array. Up to 16 hydrophones possible.

Other sensor options: Oxygen, salinity, acidity/pH, depth, turbidity, temperature, others upon request.

Communication: Typically E-O cable to shore or buoy, Ethernet, Cellular, Wi-Fi, VHF, Iridium. Raw streaming to shore or support vessel, or transmission of derived information products (if bandwidth limited)

Optional data recording: Recording of raw data—up to 10 TB on removable SD memory cards.

Data analysis and processing: Vessel noise quantification, ambient noise statistics, and event detection such as marine mammal whistles, moans, and echolocation clicks, seismic, sonar, and pile driving.

Data sharing and visualization: Web-based delivery & sharing of information products via Web Portal, JASCO's online data navigation and visualization tool.

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