

MVP300 Underway Profiler

Data Quality | Crew Safety | Efficiency | Real-Time | Vertical Profiling

The Moving Vessel Profiler (MVP) is the undisputed market leader in automated, real-time profiling systems, backed by over 25 years of expertise and thousands of successful surveys. The MVP300 is the largest and most robust system available. Designed for larger vessels and demanding projects, this versatile tool has an effective cable length of 3400 meters and can operate in conditions up to sea state 7. Supporting up to 13 data collection parameters, the MVP300 enables seamless, real-time water column data collection without sacrificing valuable research time.

Used by oceanographic giants such as NOAA and Ifremer, the large MVPs have become the market standard for optimized, cutting-edge oceanographic research.

AML OCEANOGRAPHIC

Promises Kept



Free-Fall Tow Body

Collect full water column data continuously in real time while your vessel is underway. Unlike other systems, the AML MVP provides a vertical profile. The sawtooth pattern above is a visual depiction of underway profiles collecting data in real time.

Real-Time High-Density Data Output

Possible parameters include:

- Sound Velocity
- Conductivity
- Temperature
- Depth/Pressure
- Phycocyanin
- Rhodamine
- Tryptophan
- Dissolved Oxygen
- Chlorophyll A
- Turbidity
- Crude Oil
- CDOM/FDOM



Other sensors, as well as multiple configurations using the larger multi sensor tow body are available. Please contact us for more options.

Key Benefits

- **Improved Data Quality -** Frequent and consistent data collection by the MVP ensures high-resolution, reliable results and improves credibility of survey outcomes.
- **Increased Crew Safety -** By automating the collection of water column data, the MVP minimizes the need for manual deployment and retrieval of sensors, keeping crew members safe from exposure to harsh weather or hazardous conditions.
- **Increased Efficiency -** The MVP collects water column data seamlessly while the vessel is underway, eliminating the need to stop for profiling, in turn reducing survey time and operational costs.
- **Real-Time Profiling -** The MVP provides immediate access to collected data, enabling prompt analysis and informed decision-making during survey operations.
- **Vertical Profiling -** The MVP collects reliable data across a wide range of depths, allowing customers to gain a complete understanding of the water column.

Technical Specifications

	Depth Obtained in Meters			
Vessel Speed	MVP30	MVP30-350	MVP200	MVP300
0 knots	125m	350m	600m	3400m
2 knots	90m	245m	457m	2200m
4 knots	73m	200m	368m	1650m
6 knots	60m	155m	310m	1250m
8 knots	51m	121m	265m	740m
10 knots	42m	70m	235m	460m
12 knots	30m	30m	200m	300m