

Kongsberg Discovery adds new ADCP to ocean technology range



Kongsberg Discovery, a leading player in oceanographic instrumentation, has introduced a new product innovation to the ADCP market, blending “flexibility, simplicity and high-resolution performance.” Unveiled at Oceanology International, the CP333 is designed to deliver precise current and DVL (motion) measurements in challenging, dynamic environments such as coastal waters and

around ocean wind installations.

The CP333 integrates seamlessly with the EK80 combined echosounder and ADCP system, enhancing Kongsberg’s extensive portfolio of underwater robotics, sensor technology and ocean data solutions. This comprehensive range offers advanced subsea mapping and ocean science technology tailored for users in ocean industries, academia and government.

Stene Førsund, executive vice president at [Kongsberg Discovery](#), emphasized the importance of current measurements for customers needing a deeper understanding of the subsea environment and its influencing factors. Førsund particularly highlighted the solution’s combination of “high performance with low operational cost,” expressing anticipation of its global utilization in unlocking sustainable value in the ocean space.

Ping-to-ping accuracy

With “unprecedented bandwidth and resolution,” the instrument provides insights into how water masses move and influence the underwater environment. Achieving high ping-to-ping accuracy and vertical resolution is possible through the fusion of Kongsberg’s expertise in acoustic signal processing with precise motion and heading measurements, resulting in precise real-time measurements even from moving platforms such as ships, uncrewed vessels and buoys. Additionally, the company has developed an innovative new calibration and system check wizard, reducing the time spent on this task from many hours to around 30 minutes.

The CP333 has demonstrated impressive range performance for both water velocity and bottom tracking ability. Its high-frequency bandwidth also enables usage in high and low-frequency modes, covering functionality typically provided by two separate instruments.

An operational advantage of the system is its ease of integration with other acoustic instruments. The CP333 transducer is operated by the EK80 acquisition software, enabling the same system to control both echosounder and ADCP measurements. Moreover, the system can be effectively synchronized with other acoustic instruments when deployed on multipurpose platforms such as survey vessels and USVs.



Kongsberg Discovery's CP333 is designed to deliver precise current and DVL (motion) measurements in challenging, dynamic environments. (Image courtesy: Kongsberg Discovery)