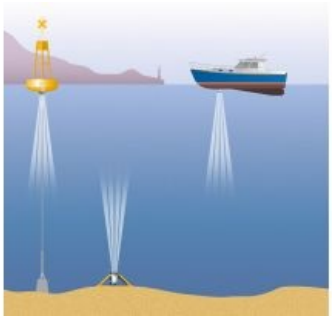
The Latest on Acoustic Doppler Current Profilers



Acoustic Doppler Current Profilers (ADCPs) are sonar systems that measure water current velocities. The Doppler effect allows the sensors to measure the velocities over a range of depths, making them ideal for measuring currents in oceanographic applications. Geo-matching.com, the product comparison platform where hydrographic and geospatial professionals can find and compare products and manufacturers, has produced an overview of the ADCPs available on the market. You can also access detailed product specifications to help you decide which solution best suits your needs.

Operating underwater, the method works like hand-held radars used by police to catch speeding motorists. A sound burst is emitted by the ADCP along beams angled downward. Echoes are returned due to scattering off particles carried by water currents. A second burst can be used to track movement over the seabed. By analysing these sound echoes, the ADCP makes four different measurements at once. On Geo-matching.com you find all you need to know on this frequently used type of instrument. Find out more here!

Applications of ADCP technology.