

RDI Awarded Dual-Frequency Patent

RD Instrument (RDI) was recently awarded a patent for a dual frequency ADCP, or Acoustic Doppler Current Profiler. Currently under development, RDI's dual-frequency ADCP will permit detailed river and stream surveys of water depths from 1-150 feet by means of a single instrument. The lower frequency provides long-range profiling capability and improved bottom tracking at all depths, even under high sediment and moving bottom sediment conditions. The higher frequency provides the spatial-resolution required for accurate profiling of shallow gauging sites and boundary flows. Based upon RDI's patented 2-D Phased Array transducer, the new dual-frequency ADCP is smaller and lighter and has a more streamlined form factor than previously possible. These features result in less flow disturbance in the water and a compact, portable package out of the water.

<https://www.hydro-international.com/content/article/rdi-awarded-dual-frequency-patent>
