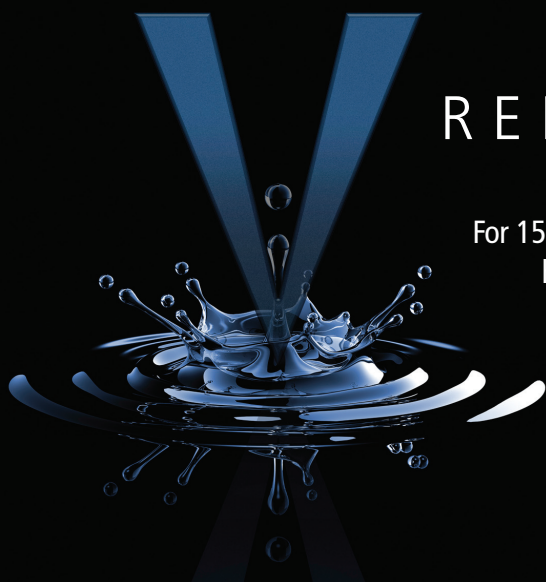


THE FUTURE OF CURRENT PROFILING HAS ARRIVED



REDEFINING INNOVATION

For 15 years, Teledyne RD Instruments' Workhorse Acoustic Doppler Current Profilers have been the world's gold standard for measuring ocean currents and waves.

Now, our next generation **V line of ADCP products** raises the bar again. The new Sentinel V is the first product to be released from this emerging line. This self-contained instrument is available in three profiling ranges: 20m, 50m, and 100m.

Exciting V enhancements include:

Multiple simultaneous sampling strategies

Now, two users with vastly different interests in the same environment can share a single ADCP to accomplish the data collection goals of both, essentially doubling hardware output.

High-speed wireless data download

Lose the cables. Wireless functionality allows you to fly through your data download and instrument reconfiguration, saving you time and money.

Off-the-shelf battery option

Gear up for your next deployment at the corner store. The Sentinel V reduces your operating costs and increases convenience with its ability to accept standard alkaline D batteries.

Data redundancy and enhanced measurements

An integrated 5th beam provides a third vertical velocity measurement and a 5th range to the surface measurement, allowing for enhanced turbulence and waves measurement capabilities.

Record every measurement

There's no need to decide in advance what time scales are of interest. Sentinel V has the memory and ability to record all raw data, allowing you to investigate features of interest over time scales that you can determine at a later date.

Multiple bandwidths

User selectable bandwidth options offer the best of both worlds. Generally narrower bandwidths result in longer range, but less precision per measurement. However, there are times when range is of paramount importance. Sentinel V supports both configurations.

Increased portability

Grab it and go! The Sentinel V is smaller than its Workhorse predecessor and includes a convenient removable carrying handle.



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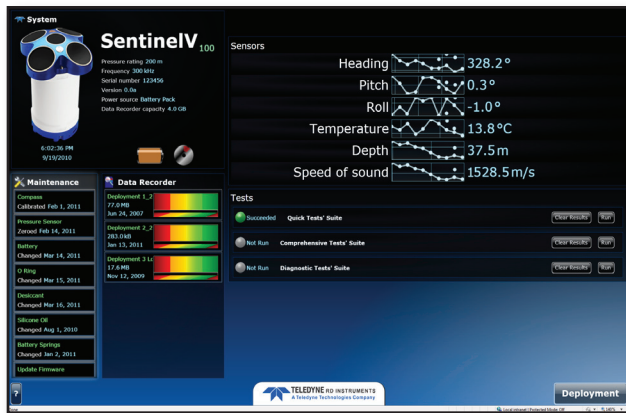
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www.rdinstruments.com

DIVE INTO YOUR DATA...

Velocity SOFTWARE

The Sentinel V is much more than a new product platform—it's a completely new way of interacting with your ADCP and your collected data. V's new **Velocity** software is sure to become the industry benchmark, with its powerful features, multiple views, touch-screen capability, and highly intuitive interface. If you can navigate a smart phone—you're ready for Velocity.



Velocity: Pre-deployment Software

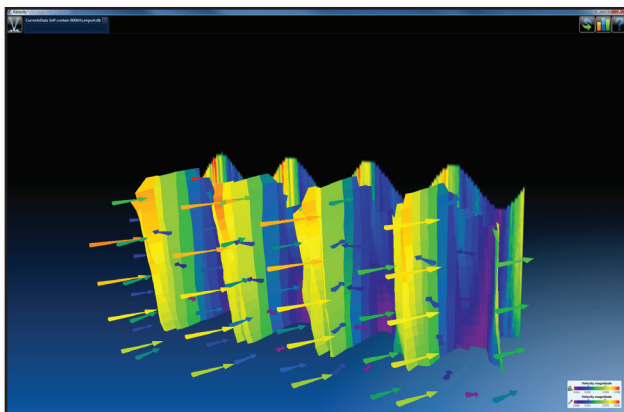
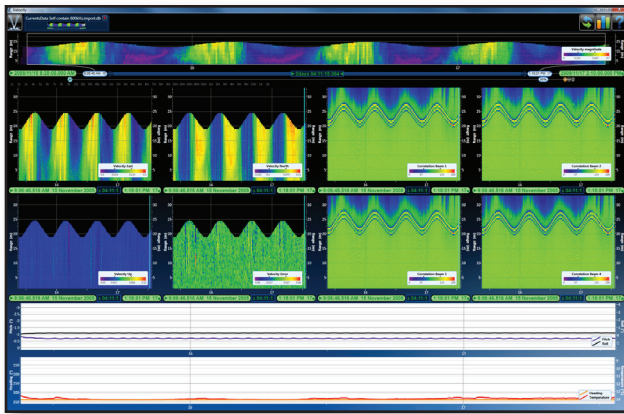
Our pre-deployment software is an all-purpose, real-time planning tool with an interface simple enough for a brand new ADCP user, yet powerful enough for the seasoned pro. Features include:

- **Onboard Software.** The software required to configure, deploy, and recover your data is resident on the ADCP. That means no software to install, no administrator access to acquire, and no need for a dedicated computer. All that's required to communicate with your ADCP is a computer of opportunity and web browser. This feature also allows you to keep your system's software and firmware up to date.
- **Intuitive Interface.** Velocity delivers a user-friendly interface that literally steps you through your pre-deployment planning to configure the Sentinel V for deployment, running all pre-deployment tests, and starting the deployment properly configured for the task at hand.
- **Onboard Maintenance Log.** When was the last time the compass was calibrated? The batteries changed? O-Rings replaced? Now this information and more can be stored on the Sentinel V itself, for ready access whenever you are connected to the instrument.

Velocity: Post-Processing Software

V's new ADCP post-processing software provides users with turnkey processes and tools that will wow even our most seasoned ADCP veterans. The features are too many to list in this small space, but highlights include:

- Intricate 2D and 3D graphs including:
 - Time series graphs
 - Contour graphs
 - Profile graphs
 - 3D surface / contour / profile graphs
- Basic/conventional processing features including averaging, coordinate transforms, and velocity reference
- Comprehensive, advanced, and fully customizable data processing engine
- A comprehensive log of all loaded and recent data files
- Export to multiple output formats



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