

Teledyne RD Instruments

Measuring Water in Motion
and Motion in Water

First-Class Marine Instrumentation with World-Class Support

Teledyne RD Instruments, Inc., located in Poway, CA, specializes in the design and manufacture of underwater acoustic Doppler products for a wide array of current profiling and precision navigation applications.

Originally founded as RD Instruments, the formation of the company in 1982 was a result of development of the industry's first Acoustic Doppler Current Profiler (ADCP), a revolutionary device capable of profiling currents at up to 128 individual points in the water column.

Through the years, RD Instruments experienced steady growth and remained dominant in the industry by providing an unwavering commitment to new product development, superior data quality, and the highest level of customer service and support.

In August 2005, RD Instruments was purchased by Teledyne Technologies, and now operates as a wholly owned indirect subsidiary of Teledyne Technologies, Inc., and an inaugural member of Teledyne Marine. Upon acquisition, the company's name was changed to Teledyne RD Instruments.



Teledyne RDI is comprised of three distinct business units:



Marine Measurements: ADCPs, Waves Measurement, and CTD products for estuaries to full ocean depth applications



Water Resources: Flow and discharge measurement tools for rivers, streams and man-made channels



Navigation: Doppler Velocity Logs and diver technology

TELEDYNE RDI COMPANY FACTS



- Over 175 multi-disciplined scientists, engineers, technicians, sales, and support personnel.
- An 80,000 square foot ISO-9001:2008 facility that includes state-of-the art engineering, laboratory, manufacturing, and test areas.
- Worldwide service and support—24/7 customer service and support; offices in the U.S., Europe, and China; global representation from the very best in the industry.
- Over 20,000 units delivered worldwide—TRDI ADCPs have become the de facto standard instrument used worldwide.



Teledyne RD Instruments

Acoustic Doppler Products

Teledyne RD Instruments Worldwide Presence

As Teledyne RDI has grown, so has their customers' need for global service and support. Recognizing this need, Teledyne RDI has taken several steps to provide the highest level of worldwide service and support:

- Teledyne RDI owns and operates a European office located in La Gaude, France. This office has been established to support our European representatives, perform product training and demonstrations, and support those regions without local representation.
- Teledyne RDI has also established a product development office in Shanghai, China. This office is dedicated to expanding Teledyne RDI's product capabilities through new product enhancements and diversification.
- Teledyne RDI has recruited the very best industry representatives from around the globe to provide local sales and service for Teledyne RDI's products.
- Teledyne RDI offers 24-hour customer service and support.

Acoustic Doppler Current Profilers

With over 20,000 units delivered worldwide, Teledyne RDI's Workhorse ADCP products have become the de facto standard instrument used worldwide by scientists and field engineers to improve their understanding of water current circulation. Only Teledyne RDI's proven ADCP products can provide:

- BroadBand processing for significantly improved data quality, power efficiency and error detection;
- a patented two (2) dimensional phased array transducer design for significantly reduced size, weight, and deployment complexity;
- and a unique 4-beam configuration to ensure data quality and reliability.

Our ADCPs have become synonymous with high quality data, ease of operation, and unsurpassed value.

Acoustic Doppler Velocity Logs

Teledyne RDI has also applied their leading edge ADCP technology to a growing line of Doppler Velocity Logs (DVLs) and diver navigation products. Teledyne RDI's highly acclaimed DVLs provides high rate, high precision velocity and altitude updates for a wide array of applications spanning the military, commercial, and scientific markets.

Teledyne RDI's standard and specially engineered DVLs are currently aiding in the navigation of nearly 100% of the world's AUVs, as well as a growing number ROVs, vessels, UUVs, and other underwater platforms.



Our Commitment to You

We at Teledyne RD Instruments aspire to maintain leadership in our marketplace, enlisting customers as partners to work together in enduring relationships built on mutual trust and mutual benefit. From this foundation, we will continually evolve our products and services to meet our customers' needs.

