The compact, flexible, and affordable ChannelMaster is a horizontally-oriented Acoustic Doppler Current Profiler (H-ADCP) designed to collect high-accuracy water velocity, stage, and discharge data for a wide array of applications.

By leveraging Teledyne RDI’s patented BroadBand technology, ChannelMaster allows you to obtain unmatched data quality, even in low velocities and complex flows, where a single cell cannot provide enough information.

The ChannelMaster’s innovative design includes everything you need to collect high-quality data, without costly options. The standard unit comes equipped with temperature, pressure, pitch and roll, and a vertical beam—in many other systems these are all generally considered to be upgrades.

Only ChannelMaster provides:

- Teledyne RDI’s patented BroadBand technology, which allows for small cells and/or short averaging/sampling intervals, resulting in highly accurate velocity data
- Ability to measure highly accurate velocities even in difficult environments such as slow flow or rapidly changing flow
- A range of 1–128 user-selectable cells, with cell sizes from 25cm to 8m and profiling ranges from 1m to 300m (depending on system frequency)
- A highly intuitive user interface designed to meet the needs of first-time users and seasoned researchers alike
- Standard stainless steel mounting fixture

ChannelMaster Applications:

- **Rivers, streams, and waterways**: Obtain high-accuracy data for monitoring velocity, stage, and discharge data.
- **Estuaries**: Measure complex currents for environmental monitoring or circulation model calibrations.
- **Ports and Harbors**: Monitor currents to provide accurate information for vessel maneuvering and safety.

Teledyne RDIs ChannelMaster H-ADCP is installed on a riverbank or near-shore structure to acquire real-time velocity, stage, and discharge data across a body of water.
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Free online product training
Free 24/7 emergency support
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