

Teledyne Oceanscience

High-Speed Riverboat™

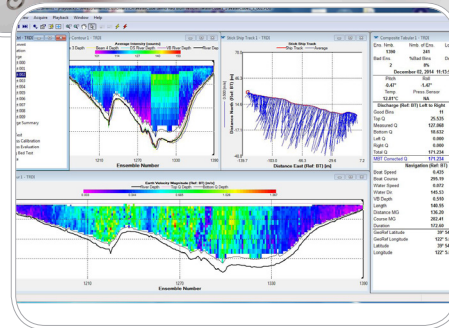
Tethered Boat for Fast Flowing Waters

The Right Choice for High Water Velocities

For the best data quality in the most challenging measurement conditions, the Teledyne Oceanscience High-Speed Riverboat (HSRB) is the new benchmark for acoustic Doppler current profiling for discharge measurements. The advanced hull design allows the boat to slice through standing waves and still maintain instrument position and data collection. Fast flowing water, often problematic with conventional tethered boat designs, can be handled with relative ease with the High-Speed Riverboat.

The HSRB has gathered data at water velocities over 20 fps (6m/s). The state-of-the-art trimaran hull design cuts through surface waves, strongly resists overturning, and maintains instrument orientation in high flows. For sites where tethered boat measurements have been impossible, or data were too poor to be of value, the High-Speed Riverboat is the solution.

The High-Speed Riverboat is strong and robust to cope with the worst deployment conditions. The standard boat configuration includes foldable kick-up fins, and 8 pin ADCP connection, communications cabling for Teledyne Oceanscience Hydrolink radios, a 12V battery with ADCP on/off toggle switch and an external stub antenna.



PRODUCT FEATURES

- Advanced hull design to slice through standing waves
- Obtain measurements in velocities up to 20 fps
- Real time data transmission to shore laptop
- Single or dual person mobilization
- Made of high impact UV resistant ABS
- Any instrument up to 8" in diameter may be accommodated
- Accommodates multiple instruments on one boat

High-Speed Riverboat

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TECHNICAL SPECIFICATIONS

Physical

Center Hull Length	152.5cm (60")
Overall Width	122cm (48")
Weight	13.6kg (30 lbs.)
Hull Material	High Impact, UV Resistant ABS
Crossbar Material	Anodized Aluminum with Quick Release Clamp
Hardware	Stainless Steel
Fin Configuration	Large, Foldable Kick-up Fins

Performance

Typical Measurement Water Velocity	3-5m/s (10-16 fps)
Maximum Water Velocity	6.09m/s (20 fps)

Instrumentation

Acoustic Doppler Current Profilers	Teledyne RD Instruments RiverRay Teledyne RD Instruments RiverPro Teledyne RD Instruments Rio Grande Teledyne RD Instruments StreamPro Teledyne RD Instruments Monitor Sontek RiverSurveyor M9 Linkquest Flowquest Rowe RiverPROFILER
Depth Sounder	External Mount
GPS	Hemisphere A101 Hemisphere S320

Specifications subject to change without notice.
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