

Teledyne Oceanscience

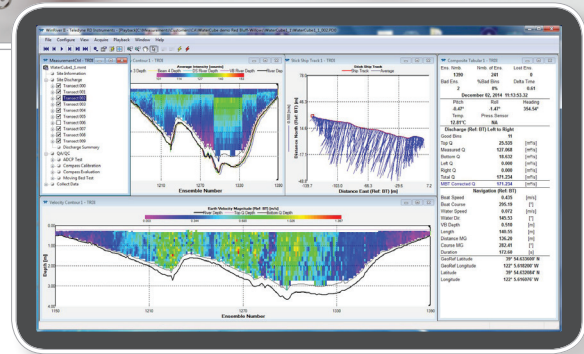
High-Speed Riverboat™

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.



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

Tethered Boat for Fast-Flowing Waters



TECHNICAL SPECIFICATIONS

Physical	Center Hull Length	152.5 cm (60")
	Overall Width	122 cm (48")
	Weight	13.6 kg (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	3-5 m/s (10-16 fps)
	Maximum Water Velocity	6.09 m/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