



High-Speed Riverboat™

Tethered Boat for Fast-Flowing Waters

- Robust and stable equipment rack for various ADCP sensors (StreamPro, RiverPro, RioPro/WHRG and RiverRay)
- The state-of-the-art trimaran hull design cuts through surface waves, strongly resists overturning, and maintains instrument orientation in high flows conditions.
- Modularly expandable with DGPS and depth sounder



High-Speed Riverboat - 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

Technical data

Parameter:	Description:	
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
Performance:	Hardware:	Stainless Steel
	Fin Configuration:	Large, Foldable Kick-Up Fins
	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

The right is reserved to change or amend the foregoing technical specification without prior notice.

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