



FOR EXTREME MEASUREMENTS

For the best data quality in the most challenging measurement conditions, the 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.

HANDLE HIGH WATER VELOCITIES WITH NEW HULL DESIGN

The Oceanscience High-Speed Riverboat has gathered data at water velocities over 20fps (6m/s). The state-of-the-art trimaran hull design cuts through surface waves, strongly resists overturning, and maintains instrument orientation in high flows. Any instrument up to 8" in diameter may be accommodated, with mounting options for commonly used profilers available. 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.

STANDARD CONFIGURATION - SONTEK M9 ADP

Made of high impact UV resistant ABS, the HSRB is strong and robust to cope with the worst deployment conditions. The standard boat configuration for the SonTek RiverSurveyor M9 profiler includes foldable kick-up fins, instrument clamp plate with an adjustable transducer draft, and an external mount for the PCM (electronics box). If necessary, the HSRB can be specified with a special bulkhead connector allowing positioning of the PCM in the forward compartment. All Oceanscience boats carry a 1-year warranty on the hulls.

OPTIONAL EQUIPMENT

The optional large rear compartment in the High-Speed Riverboat allows additional equipment storage or installation if necessary. Bulkhead connectors are available for through-hull GPS and acoustic profiler cabling.



HIGH-SPEED RIVERBOAT SPECIFICATIONS

The High-Speed Riverboat specifications are listed below.

	HIGH-SPEED RIVERBOAT SPECIFICATIONS
Typical Measurement Water Velocity	10-16 fps or 3-5 m/s
Maximum Water Velocity	20 fps or 6.09 m/s
Center Hull Length	60" or 152.5 cm
Overall Width (Assembled)	48" or 122 cm
Crossbar Material	Anodized Aluminum with Quick Release Clamp
Hull Material	High Impact, UV Resistant ABS
Weight	30 lbs or 13.6 kg
Hardware	Stainless Steel
Fin Configuration	Large, Foldable Kick-up Fins
ADCP Size	2" - 8"
Depth Sounder Transducer	External Mount

A folding crossbar option to reduce the footprint of the boat for transportation will be available as a future upgrade.

ORDER CODES

HSRB - High Speed Riverboat

WARRANTY

One Year on all components.

CONTACT INFORMATION

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