



EXPAND USEFUL MEASUREMENT CONDITIONS

The Oceanscience Riverboat ST is specially designed for the SonTek S5 or M9 acoustic Doppler current profilers. The trimaran design provides excellent stability and maximizes data quality in a wide range of water velocities and surface conditions. High velocities and standing waves, often problematic with other deployment options for the S5 or M9 profilers may be handled with more security using the Riverboat ST trimaran platform.

HANDLE VARIED VELOCITIES WITH BOW FLARE HULLS

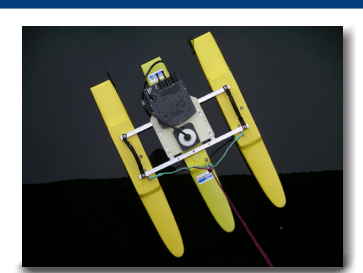
The Oceanscience Riverboat ST can gather data at water velocities over 12fps (3.6m/s). The proven bow flare trimaran hull design prevents the boat from nose-diving and maintains instrument orientation by reducing pitch, roll and yaw in varied flows. The central hull reduces drag by a factor of 2-4 over catamaran designs making the Riverboat ST capable of operation in a range of water velocities.

STANDARD CONFIGURATION

Made of unbreakable polyethylene, the Riverboat ST is strong and can handle tough deployment conditions. The standard boat configuration fits the SonTek RiverSurveyor S5 or M9, with or without the DGPS option. The Riverboat ST includes three hulls, aluminum crossbar, instrument mounting plate with S5/M9 clamp, wire rope bridle and mounting hardware for the RiverSurveyor PCM box. Large kick-up fins are standard to ensure snag-free operation. For older SonTek profilers such as the RiverCat and older River Surveyor, the Riverboat ST02 and ST03 trimarans are available with specific instrument mounting arrangements for these profilers.

USE THE CABLE CHIMP FOR STEADY TRANSECTS

Also available for the Riverboat ST is the Oceanscience Cable Chimp II remotely-operated cableway vehicle. For measurements using a tag line, the Cable Chimp II can slowly transect the river at a steady and repeatable speed offering the most consistent and best quality discharge data. Using the Cable Chimp II with the Riverboat ST is possible at water velocities up to 10fps (3m/s).



ONLINE VIEWERS

CLICK IMAGES FOR VIDEO

RIVERBOAT ST SPECIFICATIONS

The Oceanscience Riverboat ST specifications are listed below.

	RIVERBOAT ST SPECIFICATIONS
Typical Measurement Water Velocity	2-10 fps or 0.6-3 m/s
Maximum Water Velocity	12 fps or 3.6 m/s
Center Hull Length	48" or 121 cm
Overall Width (Assembled)	32" or 81 cm
Crossbar Material	Anodized Aluminum
Hull Material	Molded Unbreakable Polyethylene
Weight	15 lbs or 7 kg
Hardware	Aluminum
Safety Lines	Stainless Steel
Fasteners	Stainless Steel
Fin Configuration	Large Kick-up Fins
ADCP Size	All SonTek Instruments

ORDER CODES

RBST - Riverboat ST
 CCMPII - Cable Chimp II
 SCAS - Soft transportation case
 HCAS - Aluminum ATA transportation case

WARRANTY

Three-year warranty on Polyethylene hulls. One-year on all components.

CONTACT INFORMATION

The Oceanscience Group
 4129 Avenida de la Plata
 Oceanside, CA 92056

Phone (760) 754-2400
 Fax (760) 754-2485
 info@oceanscience.com

