

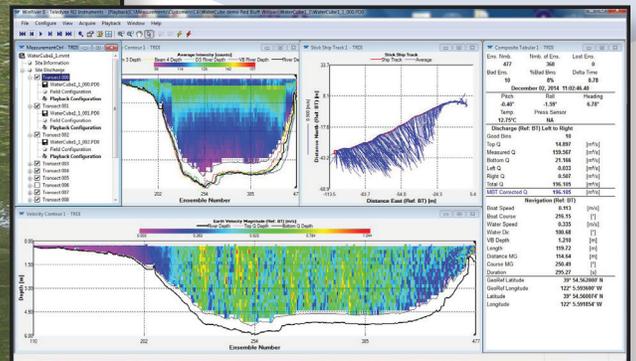
Q-Boat 1800™

Remotely-Operated Instrumentation Boat

Maximize ADCP Survey Efficiency

The Teledyne Oceanscience Q-Boats are the top choice for reliable remotely-controlled acoustic Doppler current profiling in streams, rivers, lakes and coastal waters all over the world. Reduce your survey time, keep people safe during difficult conditions, or access hard to reach locations with the Q-Boat to suit your survey and budget. Mounts for all popular acoustic Doppler profilers are available as standard.

The Q-Boats provide a total solution to river discharge measurements. The Q-Boat 1800 features twin high power outdrives to give a top speed of 5m/s (16fps) with the security of dual motors. The precision variable speed propulsion allows effective profiling at speeds as low as 30 cm/s (1.0 fps), and is easy to operate in both high and low velocity conditions. Dual steering mechanisms offer added security for safe deployments.



PRODUCT FEATURES

- Reduce survey time
- No personnel in or over the water
- Real time data to shore laptop
- Fast single or dual-person mobilization
- Not restricted to bridges or taglines
- Multiple instrument adaptability
- High-impact UV resistant ABS



TELEDYNE MARINE
OCEANSCIENCE
Everywhere you look™

Q-Boat 1800

Remotely-Operated Instrumentation Boats



TECHNICAL SPECIFICATIONS

PHYSICAL	
Hull Length	180 cm (5.9 ft.)
Hull Width	90 cm (2.95 ft.)
Weight of Base Boat	30 kg (66 lbs.)
Payload	30 kg (66 lbs.)
Hull Material	UV Resistant ABS
Motor: Q-Boat 1800P	Dual Brushless 24 VDC Outdrive
REMOTE CONTROL	
Navigation Remote Control Unit	Hitec with Vessel Telemetry
Navigation Remote Control Unit Frequency	2.4 GHz FHSS
Navigation Remote Control Range	1200 m
Data Telemetry Range - 900 MHz Hydrolink	>2000 m
Data Telemetry Range - 5.8 GHz Ethernet	up to 500 m
PERFORMANCE	
Typical Survey Speed	3-4 kts (1.5-2.0 m/s)
Top Speed: Q-Boat 1800P	10 kts (5 m/s)
Battery Endurance: Q-Boat 1800P	Up to 240 minutes
Battery Pack: Q-Boat 1800P	3 x 24 V 30 Ah
INSTRUMENTATION	
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	

Configuration			Outdrives		Weight Balance		
Antenna Structure	Dual Skegs	Dual Skegs Mount Strips	Kort Nozzle	Low-Pro	Bow Higher than Stern	Bow Level w/Stern	Top Speed (Knots)
✓	✓	✓		✓	✓		5.1
✓	✓	✓	✓		✓		5.3
✓		✓	✓		✓		7.6
✓		✓	✓		✓		7.8
✓		✓	✓			✓	8.5
		✓	✓			✓	9.1
			✓			✓	10.1



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