



rQPOD

modular remote survey boat



Xylem Analytics brings together a number of leading technological brands including SonTek, HYPACK and YSI to provide the World's most up-to-date hydrographic and bathymetric survey systems.

Xylem's latest innovation, the rQPOD, is a modular system that when attached to a standard size Torrent Board housing both SonTek M9 and S5 RiverSurveyor ADCP systems transforms in to a motorised platform facilitating remote shore operation for easy collection of ADCP data - *with no strings attached!*

And using SonTek's *RiverSurveyor LIVE* software, the user can collect river discharge measurements or even undertake a full bathymetric survey using HYPACK software without even get their feet wet!

- Colour coded parts and cables for easy assembly
- 1.5m/s top speed
- Easy control with high and low speed settings
- 2 removable, field serviceable thrusters with FCS fittings
- Removable skid guards to protect thrusters
- Removable batteries
- Lightweight (12kg incl. Torrent Board, M9, PCM and rQPOD)

rQPOD - Modular Remote Control Survey Boat



Module 1: Torrent Board V7

- Glass Fibre on Basalt laminate foam core
- EVA Deck material on top
- HD EVA side reinforcements
- Stainless steel fixings
- FCS Fin system
- Fittings and cable holes ready for rQPOD
- FCS action camera fitting
- Drag anchor/sock for slow flows
- Water velocities up to 5m/s (standard) dependant on surface

Length	1.08m
Width	0.65m
Nose rocker	0.25m
Weight incl. M9	9.8kgs (12.0kgs incl. rQPOD)
Weight excl. M9	4.7kgs
Transportation	Soft carry case with shoulder straps and storage pockets.



Module 2: rQPOD

Modular package that fits onto the Torrent Board V7 to enable it to become a remote boat.

Top Speed	1.5m/s
Duration	4 to 6 hours ¹ (¹at speed of 0.7m/s)
Temperature range	-10°C to +40°C
Batteries	DJI Phantom 3 LiPO
Transmitter range	500m
Transmitter make	Futaba T6K
IP rating	IP67



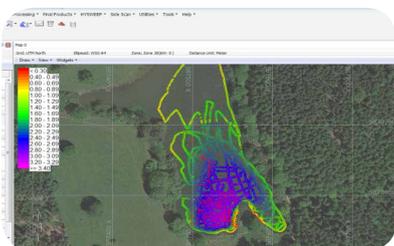
Module 3: RiverSurveyor

The RiverSurveyor S5/M9 is a river discharge measurement system without the traditional limitations. Small, portable and easy to use, the patented and award-winning RiverSurveyor measures in extreme flood or drought situations within a single instrument, and without changing user settings. The results speak for themselves - the RiverSurveyor S5/M9 has revolutionised the way discharge is measured in rivers and canals.

Module 4: Software

RiverSurveyor LIVE with SmartPulseHD™ contains intelligent algorithms that look at water depth, velocity and turbulence, and then adapts the acoustic pulse scheme to those conditions. See the clearest velocity picture possible with cell sizes down to 2 cm!

Planning, Acquisition, Synchronization & Processing: HYPACK-HYSWEEP® provides the tools necessary to design a survey, collect and process ADCP bathymetric data, calculate volume quantities, generate contours, and export data to XYZ, DXF, LAS, etc.



Xylem Analytics UK
2 Focal Point, Lacerta Court
Works Road
Letchworth
SG6 1FJ, UK

Tel: +44 (0) 1462 673 581
Fax: +44 (0) 1462 673 582
salesuk@xylem.com

www.xylemanalytics.co.uk/hydrographic