# xylem
## Let's Solve Water

# rQPOD
## REMOTE CONTROL SURVEYING PACKAGE

## Tether-Free Data Collection

Enjoy safe, remote-controlled surveying with the rQPOD remote boat surveying package! The rQPOD is hardware that when installed on a floating platform, transforms it into a motorized vehicle for remote operation and collection of ADCP data.

The rQPOD package fits the SonTek RiverSurveyor-M9/S5 and HydroSurveyor-M9 ADCP, and comes with a Torrent Board V7 and the patent-pending motorized system.

The rQPOD Modular Remote Survey Boat is a lightweight, portable and affordable solution for conducting discharge measurements and/or hydrographic surveys. The rQPOD is ready to go wherever you need it.

Need bathymetric data? Upgrade your RiverSurveyor-M9 system to include the HydroSurveyor/HYPACK hydrographic software package for full surveying capability!



*Package includes Torrent board, motorized attachment and handheld control system*

## SonTek
### a xylem brand

## rQPOD

Modular package with all required hardware to transform the Torrent Board V7 into a remote controlled boat.

Complete with wet-mateable connectors, battery and navigation lights, the rQPOD has everything you need to create a lightweight, easy-to-use remote boat.

| | |
|---|---|
| **Top Speed** | 5ft/s (1.5m/s) |
| **Duration** | 4 to 6 hours [1] |
| **Temperature range** | 14°F to 104°F (-10°C - +40°C) |
| **Batteries** | DJI Phantom 3 LiPO |
| **Transmitter range** | 1,640ft (500m) |
| **Transmitter make** | Futaba T6K |
| **IP rating** | IP67 |

([1] at speed of 2.3ft/s (0.7m/s)

## Torrent Board V7

The Torrent Board was developed in conjunction with a team of SonTek ADCP users to be deployed across a high range velocity conditions.

The board comes "rQPOD ready" with pre-drilled mounting holes and capped cable runs for snag-free connection to the thrusters.

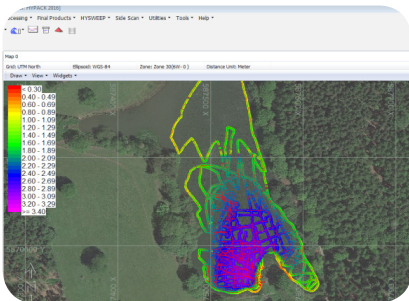| | |
|---|---|
| **Length** | 3.54ft (1.08m) |
| **Width** | 2.13ft (0.65m) |
| **Nose rocker** | 0.82ft (0.25m) |
| **Weight incl. M9** | 21.6lbs (9.8kgs)[2] |
| **Weight excl. M9** | 10.4lbs (4.7kgs) |
| **Transportation** | Soft carry case with shoulder straps & storage pockets. |

[2]26.5 lbs (12kgs) with rQPOD

## RiverSurveyor-M9/S5 and HydroSurveyor-M9

SonTek's RiverSurveyor-M9/S5 is a river discharge measurement system without the traditional limitations. Portable and easy to use, the patented and award-winning RiverSurveyor measures in extreme flood or drought situations within a single instrument, and without the need to change user settings.

The HydroSurveyor-M9 is a system that will provide both bathymetric mapping and velocity profiling, and includes HYPACK MAX® software.

The results speak for themselves - the RiverSurveyor and HydroSurveyor systems have revolutionized the way data is collected in rivers, streams, canals and lakes.

## 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 2cm!

**HYPACK MAX®** planning, acquisition, synchronization & processing: 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.

Quick access to the video and training resources you need at **sontek.com/videos**

**sontek.com/rQPOD**