

VR100 Acoustic Receiver

Flexible, cost effective receiver for real-time tracking



The **VR100** replaces the VR60 as a general purpose ultrasonic receiver designed for manual tracking of aquatic animals from small boats or for recording laboratory data. The VR100 receiver's principal value is in its flexibility. The VR100 can be used to track coded or continuous tags simultaneously on a wide variety of animals ranging from salmon smelt to sharks. Depending on the tag type, the receiver can also collect telemetry data such as temperature, depth and acceleration.

The VR100 is used with either an omnidirectional hydrophone (included) or a directional hydrophone (must be ordered). The directional hydrophone extends the receiver's capabilities for real-time animal tracking studies.

Features

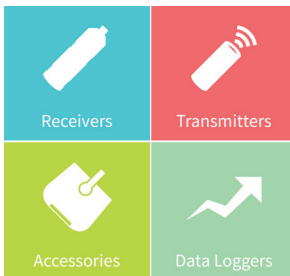
- ▶ Wide dynamic range permitting simultaneous detection of near and distant tags without gain adjustment
- ▶ GPS time and position display and data logging
- ▶ Improved sensitivity and noise rejection over conventional analog receivers



- ▶ Splash proof case
- ▶ USB communication link
- ▶ VR100 PC Host Software compatible with Windows XP 32/64-bit, Windows Vista 32/64-bit, Windows 7 32/64-bit

How to Order the VR100

When ordering the VR100, please specify the frequency range of the tags you are using and the hydrophone type needed (omni-directional or directional).



Physical Specifications	
Frequency range	12 to 200 kHz
Dimensions (approx.)	34 cm x 32 cm (with handle extended) x 15 cm
Weight with gel cell	6.5 kg
Battery Life	Approximately 12 hours with backlight off
PC communication	Computer controlled via USB connection
Gain control	Automatic or manual
Hydrophone type	Omnidirectional: VH165 (50 – 85 kHz), VH180 (180 kHz) Directional: VH110 (50 – 85 kHz)
Hydrophone cable length	10 metres - standard length
Display	4 x 20 character LCD display
Signal strength meter	LCD screen displays relative signal strength numerically and graphically
Water resistance	Splash resistance
Software	VR100 PC Windows XP/Vista/7

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