



# VR3 Receiver Using ARGOS Satellite with GPS Positioning (VR3-ARGOS)

## VR3 Family Overview

The VR3 family represents an enhancement to VEMCO's popular VR2 Monitoring receiver of which thousands are installed worldwide. The primary motivation of the VR3 is to facilitate the recovery of data from the unit by providing a remote communication capability by means such as satellite, underwater modem, cell phone, underwater wired observatory, etc. In addition a number of other enhancements are offered including significantly enhanced computing power and memory capacity, two channel receiver and field upgradeable software. The VR3 family is capable of unattended deployments exceeding 12 months.

Factors such as large scale geographic projects and the desire to collect data over a long period without the expense of boat time to periodically visit receiving sites (drifting buoys can be difficult to reach, especially when they are hundreds of miles away from any harbor), make it ideal for deployment of VEMCO's VR3 technology and in particular the VR3-ARGOS. Key features of the ARGOS version of the VR3 include:

- ▶ Uses the Argos satellite system to economically relay collected data back to the researcher from anywhere in the world
- ▶ Data is available via the Internet soon after deployment
- ▶ Data compression and programmable transmission schedule keep satellite service cost low
- ▶ On-board GPS for accurate positioning and time synchronization
- ▶ Up to one year battery life using safe, inexpensive alkaline battery
- ▶ RS232 Service Port connects the unit to a PC for configuration and data transfer



**Other VR3 Models: Underwater modem,  
Cell phone with GPS positioning, Underwater wired network**

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