


VR3 Receiver with Underwater Modem (VR3-UWM)

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.

The VR3-UWM has an integral underwater modem. Communication with and control of the unit is accomplished through a PC connected to a companion surface unit.

VR3-UWM Features

- ▶ Case suitable for submersion to 200 metres
 - ▶ Two channel reception (69 kHz and 81 kHz), decoding and logging of all Vemco R-Coded Transmitters
 - ▶ Improved data logging capacity over VR2 – four times non volatile memory capacity (8 Mbytes) as well as “store by exception” scheme which optimizes memory use
 - ▶ Remote communication by acoustic modem which allows the unit to be accessed through companion Surface Unit and data uploaded to a PC on ship positioned over the unit:
 - Data Transfer Rate 1200 Baud
 - Slant range up to 350 metres
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- Vemco supplied PC Software allows full configuration of unit, monitoring of status as well as uploading of data
 - Internal tilt sensor allows monitoring during deployment to ensure proper positioning on sea floor
- ▶ An RS-232 Service port (9600) is available for configuring the unit prior to deployment. In addition to the functionality provided through the acoustic modem, software upgrades can also be installed through this port.

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

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