

Water Quality Monitoring

INW WaveData™ VZCOM

WaveData™ modems are engineered to transform remote data sites into real-time monitoring networks. Complete with affordable data plans, the VZCOM will automatically pull data without the need for cumbersome site visits or sample and test methods. Intelligent serial ports and built-in datalogger connect easily with a variety of powerful, state-of-the-art monitoring sensors. View and manage your data from anywhere in the world with an Internet connection.

FEATURES

- Connect up to 4 sensors
- Manage modem and sensor configurations over the web (examples: sensors installed & collection frequency)
- Field test button ensures proper installation
- Low power consumption for long battery life
- Intelligent power modes & charging circuit
- Intelligent serial ports for interfacing to INW Smart Sensors
- Built-in datalogging
- 4MB of redundant data storage
- Powerful web-based management software
- API Web Service Option available to integrate with 3rd party data management & modeling software



10 Watt Solar Supply



Primary Lithium Pack (4 AA)



18 VDC Wall Supply

SPECIFICATIONS

Housing	Aluminum
Dimensions	4.86"L x 1.2"H x 2.5"W (12.3cm L x 3.0cm H x 6.6cm W)
Weight	0.5 lbs. (0.23kg)
RF Sensitivity	
1900 MHz (CDMA)	-108dBm
800 MHz (CDMA)	-108dBm
Communication	Modbus/RS485
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 80°C
Certifications, Approvals, Compliance	RoHs, FCC, IC, CDMA Carrier Approval
Cellular Network	Verizon
Logging	Logs internal temperature, Voltage, RSSI, up to four INW sensors
Output Voltage	12 VDC switched for powering sensors (500 mA)
Diagnostics	Two colored LEDs for troubleshooting
Power Options	
Wall (Included)	110 Volt AC 18 VDC – 10 A/HR (18 Watts)
Solar	1.4 A/HR Sealed Lead Acid 10 Watt Panel with 10' Cord
High Capacity	Lithium AA 16.8 VDC – 1-Year Life (2) 2.6 A/HR Lithium D (1) 16.8 VDC – 5-Year Life (2) 14 A/HR

APPLICATIONS

- Water Resource Monitoring
- Flood Monitoring
- Discharge Monitoring & Alarming
- Tidal Studies
- Aquifer Resource Management
- Stream-Gauging

CALL GEOTECH TODAY (800) 833-7958

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