

Triaxis Next Wave Sensor Update

The TRIAXYS Directional Wave Sensor was originally developed by AXYS Technologies Inc. in conjunction with the Canadian National Research Council (NRC) in 1998. The TRIAXYS sensor has recently been updated with several new features. The major change in 2010 involves the TRIAXYS sensor being configured by the WatchMan500 controller, the same controller as used in all AXYS monitoring stations.

The TRIAXYS classic sensor is primarily a wave sensor with capability to interface and control a limited number of other sensors. With the addition of the WatchMan500, AXYS main data acquisition and control system used at the core of its monitoring solutions, the new and improved TRIAXYS Next Wave sensor can support and control any number of other sensor types: current profilers, wind sensors, air temperature sensors, CTD's, to name a few. This new feature will provide users a convenient, flexible, all in one solution, eliminating the need to purchase and install a stand alone controller.

TRIAXYS Next Wave users can network their sensors together, allowing remote changes to be made across an entire array or down to an individual sensor. This increased flexibility to command and control saves users time and money.

The new TRIAXYS sensor can continue to sample waves during the processing and transmission cycles, eliminating any sampling downtime. This feature will be beneficial for mission critical applications that require constant sampling and data without time gaps. The motion/heave sensor can be programmed to sample at up to 50 Hertz, and in future will reach 100 Hertz. This approaches the levels used by most motion compensation sensors. Previously the sensor sampled motion at 4 Hertz.

The TRIAXYS sensor now includes an 8GB compact flash card expandable up to 32GB. This increased data logging capacity will allow users to store several years' worth of data inside the sensor, without risk of historical data being overwritten by compact flash cards becoming full. Earlier versions of the TRIAXYS sensor included a 1GB or a 2GB compact flash card.

<https://www.hydro-international.com/content/article/triaxis-next-wave-sensor-update>
