

NEW! NILE RADAR WATER LEVEL SENSOR

WaterLOG's 2014 Summer issue of *Wave* published an article on our Radar Water Level Sensors. As stated in that article, our first radar water level sensor was the H-360, introduced in 2002. We have continued to introduce new radar level sensors as technological advancements make improvements possible.

Our **New Nile** series of radar water level sensors is sure to continue in this success. Like our H-3600 series of sensors, the **Nile** series is a "downward-looking" measuring system, operating based on the time-of-flight method (ToF). Radar impulses are emitted by an antenna, reflected off the target (water surface) and received again by the radar system. The Nile series will continue to provide stable long-term monitoring with a high level of accuracy and long range with low operating power, and extremely low cost to service and operate. Nothing offers the security against sensor damage and lost due to debris and flood conditions better than a non-contact water level sensor.

With the Nile we introduce Plastic PBT housing, which is resistant to salt water and lighter weight than the H-3600 series.

The measurement range of the sensor is the maximum distance that can be measured between the radar system to the target, in most of our applications this is the water surface. The **Nile** is available in three ranges; the **Nile 502** has a range of 20 meters, the **Nile 504** of 40 meters, and the **Nile 517**, a range of 70 meters. The Nile 502 provides an increase in accuracy from +/-3mm to +/- 2mm, compared to the H-3600 sensors..

In order to provide a larger range of applications than the H-3600 series of radar sensors, the Nile outputs data in both SDI-12 and RS-232.

Whether measuring distance to water for water level measurements or for Air Gap measurements, the **Nile 502**, Nile 504, and Nile 517 provides an excellent cost effective solution.



WaterLOG Nile 502 Radar Level Sensor, Side View



WaterLOG Nile 502 Radar Level Sensor, Top View