Radar Level Sensor

The Valeport VRS20 Radar Level Sensor uses non-contact technology and can be installed easily. The device uses 25GHz pulsed k-band radar to measure water level to an accuracy of Â±10mm. It has been designed to work with Valeportâ€™s TideMaster tide logger or to operate as a stand-alone device with optional integrated GPRS telemetry. Alternatively it can interface with a third-party data logger.

Non-contact radar technology avoids issues of traditional submerged devices, such as fouling and corrosion.

Data collection is a simple process for the Valeport VRS20, with RS232, RS485 and SDI 12 communication as standard. With a wide range 9 – 28vDC power supply, the device is also versatile. The VRS20 comes in a fully sealed injection moulded housing which is rated to IP67, complete with a bar fixing for GPS antenna use. With all these features, the VRS20 will be ideal for use in port and harbour operations, surveying and monitoring deployments.

Valeport will be showcasing the VRS20 at Ocean Business 2013, along with its other oceanographic, hydrographic and hydrometric instruments. Valeport will be at stand M1 at Ocean Business 2013, from 9 to 11 April 2013, at the National Oceanography Centre in Southampton, UK.