

TRDI Precision Navigation for Iver AUVs



Teledyne RD Instruments (TRDI, USA) has received an order for 10 custom-designed Explorer doppler velocity logs (DVLs) to provide precision navigation and current profiling onboard OceanServer Technology's Iver3-580 autonomous underwater vehicles (AUVs). This brings the total number of DVLs ordered by OceanServer for integration onto IVER systems to 32.

The DVLs will be installed onboard vehicles designed for customers and applications which include: the U. S. Navy for mine clearance operations, several universities for various research programmes, and commercial companies for coastal engineering projects.

The Explorer DVL provides a flexible solution for high-quality navigation aboard small underwater platforms such as IVER AUVs, gliders, disposable vehicles, inspection class ROVs and diver platforms. The DVLs supplied to OceanServer are custom designed to meet the vehicle's unique, size, weight and power requirements, as well as provide onboard navigation and current profiling functions. OceanServer's family of IVER vehicles offer single man-portability, a wide variety of payload options, and simple point and click mission planning.

OceanServer continues to select Teledyne RD's DVL based on TRDI's field-proven technology and extensive field experience in Doppler navigation. Bob Anderson, president of OceanServer Technology, Inc., explains that the Explorer Phased Array, with its physical size, power consumption and positional accuracy, is a great choice for the Iver3 AUVs. The unit's dependable bottom lock at over 80m in most environments has expanded the operating depth of previous Iver AUVs.

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