

Valeport Introduces New SWiFT CTD Profiler



Designed with the intention of a seamless workflow, the new SWiFT CTD is the next generation of Valeport's popular SWiFT profiler range and delivers enhanced accuracy and versatility for those requiring CTD measurements.

The SWiFT CTD profiler from Valeport, a leading oceanographic and hydrographic instrumentation manufacturer, provides survey-grade sensor technology coupled with the convenience of Bluetooth connectivity, a rechargeable battery and an integral GPS module to geolocate each profile.

Using Valeport's leading high-accuracy sensor technology to combine sensors for multiple profiles in a single drop, the SWiFT CTD features a new fast response temperature probe

and operates down to 500m as standard, delivering directly measured conductivity, temperature and depth.

Standard Algorithm and Data Formats

In addition to the directly measured CTD, computed salinity, density and sound velocity is calculated using the UNESCO international standard algorithm and the Chen and Millero equation. Data can be quickly and easily downloaded wirelessly, and uses Valeport's new Ocean software for iOS, Android and PC platforms. Data can be instantly shared in industry standard data formats.

Ease of use is at the heart of the SWiFT range and the new [SWiFT CTD](#) not only makes any problematic battery changes a thing of the past and delivers fully automated data transfer with no user input required, but it also features Valeport's signature SWiFT magnetic switch ring. The switch ring is easy to operate even with cold hands, it simply turns through 90 degrees and reassuringly clicks into position. The end cap features user-friendly LED status indications for GPS, battery and communications.

With an operational battery life of up to five days and the convenience of charge via USB, the SWiFT CTD is intended for offshore, coastal, harbour and inland environmental and hydrographic survey use.

Scientific Applications

"Developed for those who need precise CTD data for scientific applications, this is the first time that measured CTD has been available with all the benefits of our SWiFT profiler: ease of use, Bluetooth connectivity, rechargeable battery and GPS. The new SWiFT CTD delivers the highest quality CTD profiles in a compact, robust and portable package," said Guy Frankland, [Valeport](#) head of marketing.

Constructed from titanium to provide unmatched durability, the CTD sensors are housed in a strong acetal sensor guard. An optional deployment cage is also available to bolt onto the instrument to help get the SWiFT CTD to depth in fast flowing currents.