

Current-measurement Technology



Falmouth Scientific, USA, has presented a new generation of single-point Acoustic Current Meter (ACM) technology. The FSI ACM-PLUS offers new features, functionality and benefits that will enhance the ability to measure current speed and direction in 2 or 3 dimensions and display the data in real time or capture it for later analysis.

The ACM-PLUS employs Acoustic Phase-Shift Transit-Time Technology, which enables it to operate in very clear as well as turbid water. It has been developed to providing high-resolution current readings at the water surface (e.g. for oil spill tracking) or at deep depths where slow-moving currents are difficult to measure accurately.

New features of the ACM-PLUS include software-selectable 2 or 3 axis velocity measurement, extended on-board SD Flash data memory, high speed data sampling, a high-accuracy real-time clock, and fast download capability. FSI will continue to offer shallow (200m) and deep (7,000m) versions and options to add an integrated CTD module and/or up to two external sensors.

FSI is also offering a PLUS-UPGRADE programme to customers who wish to refurbish, recalibrate, and update their existing equipment and gain the new feature set.

<https://www.hydro-international.com/content/news/current-measurement-technology>
