

## Directional Wave and Current Meter

*Wave Direction and Height with vector-averaged  
3D Current Speed and Direction in a Single Instrument*

### *Enhanced Design, Performance, Specifications*

The **ACM-WAVE-PLUS** from Falmouth Scientific, Inc. provides wave direction, wave height, and other wave statistics by combining FSI's enhanced ACM-PLUS acoustic current meter technology with a high-accuracy, micro-machined silicon pressure sensor. The instrument can be deployed in a multiple-mode format to allow periodic burst sampling of wave data as well as long-term averaging.

The **ACM-WAVE-PLUS** includes advanced standard features such as **extended on-board data memory**, **fast download capability**, **high accuracy real-time clock**, and **high speed data sampling**.

The **ACM-WAVE-PLUS** comes complete with FSI's Windows-based **ACMProPLUS** software for system configuration and data download, as well as our **WavePost** software for graphics display and advanced post-processing.

The device may also be equipped with an optional CTD module, and can be configured to log up to two analog inputs from external sensors (e.g., DO, OBS, Fluorometer, Transmissometer).



*FSI ACM-WAVE-PLUS shown with  
optional CTD and 5-ton frame*

### FEATURES

- High-accuracy wave data, precise pressure sensor
- Built-in 3-Axis ACM with excellent low-velocity resolution
- Electronic magneto-resistive compass, 2-axis tilt sensor
- **Fast Data Sampling up to 5 Hz, Fast Data Download**
- Long-term data logging to **2 GigaByte internal memory**
- Built-in **High Accuracy** real-time clock
- 1.5-ton working strength mooring frame standard; optional 5-ton mooring frame
- Optional conductivity, temperature, pressure sensor package (CTD) may be added

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**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**