



1 March 2014

MAVS Acoustic Current Meter Product List

MAVS-4SD

Direct reading 3 Axis Acoustic current measuring system (2000 meters depth)

Includes:

- RS-232
- Compass 3-D
- Tilt 3-D
- Reusable transport case
- Zinc anode
- User's manual

MAVS-4DD

Direct reading 3 Axis Acoustic current measuring system (6000 meters depth) with hard coat anodized aluminum housing

Includes:

- RS-232
- Compass 3-D
- Tilt 3-D
- Reusable transport case
- Zinc anode
- User's manual

*****Titanium Housing 6000 meters depth option**

MAVS-4WTG

Direct reading 3 Axis Directional Wave and Tide Gauge System (2000 meters depth).

Includes:

- Standard Pressure sensor, 0.5% Accuracy
- **Optional High accuracy pressure sensor available (page 2)**
- Software for Calculation of Wave and Tide
- RS-232
- Compass 3D
- Tilt 3-D
- Reusable transport case
- Set of zinc anodes
- User's manual

Refer to page 2 for Optional Logging Memory, Batteries, Sensors and Equipment



LOGGING MEMORY AND BATTERIES:

Internal Logging Memory Compact Flash Interface Board:
PERCF8C Persistor Board **(Required)**

Add Flash Memory:

PCF-SSCF1GBI Compact Flash Memory, 1 Gbyte

Note: Flash Memory Ocean Certified rated from -40 to +85 C

Battery for Moored, Internal Logging Operation.

Alkaline Battery Pack, 13.5 VDC, 4.8 Ah

Lithium Thionyl Chloride Battery 14.4 VDC, 8.8 Ah

Double Alkaline or Lithium Battery

SOFTWARE:

MWAVES Directional Wave and Tide Spectra Software for Windows

MAVSOF Windows Software for Pre-deployment setup, Real Time data collection and offload of logged data

Crosscut.exe Terminal Emulation software for Menu operation

OPTIONAL SENSORS:

Prices for additional sensors connected to MAVS-3 measuring system:

Temperature, standard, internal sensor

Temperature, fast response, external sensor

Integration or RBR High Accuracy External Temperature Probe

Integration or RBR High Accuracy External Conductivity Probe

Pressure:

Accuracy: 0.5% FS 12 bit measurement

Range (dBar): 10, 30, 40, 100, 300, 1500, 3000, 6000

Other ranges available upon request.

Accuracy: 0.1% FS 12 bit measurement

Range (dBar): 10, 30, 40, 100, 300, 1500, 3000, 6000

Other ranges available upon request.

Accuracy: 0.04% FS 12 bit measurement

Range (dBar): 10, 30, 40, 100, 300, 1500, 3000, 6000

Other ranges available upon request.

16 bit Measurement available upon request



OPTIONAL SENSORS (cont.):

- Electrical Integration of turbidity sensor
- Additional Analog input channel for another type sensor
- 4 channel Analog output option
- Cable for Analog Output Option
- Bent Sensor Option for Horizontal Mounting of MAVS

OTHER SPARES, OPTIONAL EQUIPMENT AND ACCESSORIES:

- RS-485 Option (4 Wire) for inside MAVS
 - Connector with 1 meter cable
 - O'Ring Spares Kit
- Mooring and/or hanging frame, stainless steel, 2,000 lbs. load
- Mooring and/or hanging frame, stainless steel, and 10,000 lbs. load
- Tripod Mount for bottom mounting of one MAVS

Deck Unit / Lab Unit:

- Communication Module for PC (RS-232 or RS-485)
 - Includes 110/220 VAC - 12 VDC Power supply and DB-9 comms connector for connection to PC COM port. Ideal for use in either Direct Reading or pre-deployment setup and offloading of archived from internal memory.
- RS-485 Option (4 Wire) for inside Deck Unit
- Underwater cable between Deck Unit and MAVS

Acoustic Transmissometer Option

McLane Moored Profiler Option

Includes: Short Titanium Housing, Bent Sensor Rod and Firmware Upgrade