

VMP 200

Coastal-Zone Vertical Microstructure Profiler

Description:

The VMP-200 is a coastal-zone profiler for the measurement of micro- scale turbulence. The profiler was designed for operation for small vessels with limited deck space (e.g., Zodiaks), or where electrical power facilities are limited or missing (e.g., ice camps). The VMP-200 records data internally on a Flash RAM card, eliminating the requirement for a deck-side power supply and data recording system (i.e., laptop). The battery and memory allow for up to 50 hours of continuous autonomous operation. It is possible to repeated profiles without having to recover the profiler between deployments. At the end of the profiling series, the recorded data are read out through a USB connector at the rear bulkhead.



Features:

- Internal recording for up to 50 hours of autonomous operation
- Easy deployment from Zodiaks
- Two shear probes, 1 thermistor
- Low noise level
- 1000 m depth rating

Specifications:**Available configurations**

- Internally recording
- Transmitting (real time)

Weight estimates

- Weight in air: 22lb (10kg)
- Weight in water: 9lb (4.1 kg)

Internal sensors

- 2-axis accelerometer, 1 tilt sensor
- Pressure sensor
- 1 reed switch for magnetic "on" switch turbulence sensors
- Standard: 2 shear (SPM-38), 1 temp (FP07)
- Optional: 1 micro-conductivity (SBE7), LED "on" light

