

Table 2-6. Meteorological and surface-wave instrumentation deployed on HBPIII HBM7 surface buoy.

Measured Parameters	Sensor Type	Manufacturer and Model	Height Above Surface
Wind Speed/Direction	Ultrasonic anemometer	Handar Model 425	4.84 m
Wind Speed/Direction	Propeller-vane anemometer	R. M. Young Wind Monitor Model 05106	3.97 m
Air Temperature	Pt 100 RTD	Rotronic MP101A	3.97 m
Relative Humidity	Rotronic Hygromer	Rotronic MP101A	3.97 m
Atmospheric Pressure	Barometer	A.I.R.	2.10 m
Sea Surface Temperature	IR Temperature Transducer	Everest Model 4000	2.40 m
Float Sea Temperature	Floating thermistor	NPS custom design	~ -1 cm
Bulk Sea Temperature	Hull thermistor	NPS custom design	-1.17 m
3-D Buoy Motion	Accelerometers & Rate gyros	Crossbow DMU-VGX	0.39 m
Buoy Heading	Magneto-Inductive Compass	Precision Navigation TCM-2	0.39 m