



Coastal's MacroWind

Description:	Coastal's MacroWind monitors and records wind speed and direction with an RM Young Propellor Vane and Helicoil.
Capacity:	200 K standard Optional (Compact Flash Cards): 8MB, 16 MB, etc.
Housing:	Diameter – 5.5 in. Length – 15.5 in. (including handle) Weight – 17 lbs. in air Material – Stainless steel and UHMW plastic housing Propellor vane is an external mounted sensor, measuring approx. 20" long by 12" high and weighing 4 lbs.
Power:	User replaceable standard alkaline D cells
Interface:	Wizard IBM PC compatible software ASCII data files in engineering units User controlled sampling parameters and sensor functions
Clock:	Solid state real time, accuracy one minute per year
Standard:	Wind Speed – RM Young Propellor Vane Wind Direction – RM Young Helicoil Temperature, Internal – YSI Thermister
Optional:	Orientation – FSI Ostar Compass Orientation – KVH Fluxgate Compass Relative Humidity – Vaisala HMP 35A



Coastal MacroSeries Instrument



RM Young Propellor Vane

Function	Sensor (*optional)	Range	Accuracy	Resolution	Units
Wind Speed	RM Young Propellor Vane	0-60	2% of read	.015	m/s
Wind Direction	RM Young Helicoil	0-360	+5<	.09°	deg. rel.
Temperature	Internal YSI Thermister	-5° to 35°	0.1°	.02 typ	°C
Orientation	*FSI Ostar Compass, magnetic	0°-360°	2°	.09°	deg. mag.
Orientation	*KVH C100 Compass Engine, flux gate	0°-360°	0.5	0.24	degrees magnetic
Rel. Humidity	*Vaisala HMP 35	0-100	+2%	.012%	%