



Coastal's MacroWind

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| 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% | % |