



Coastal's MacroFlow

- Description:** Coastal's MacroFlow measures current speed and direction using time tested sensors such as the Marsh-McBirney electromagnetic velocity sensor and KVH and Falmouth Scientific compasses.
- Capacity:** 200K standard
Optional (Compact Flash Cards): 8MB, 16MB, etc.
- Housing:** **Diameter** – 5.5 in.
Length – 41.5 in. (including sensor)
Weight – 45 lbs. in air
Material – Stainless steel and UHMW plastic housing
- 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:** **Heading** – Falmouth Scientific Ostar Compass
Current Speed – Marsh-McBirney 585 Velocity Sensor
Temperature, Internal – YSI Thermister
- Optional:** **Pressure, Standard** – ICS Strain Gauge
Heading – KVH C100 Fluxgate Compass



Coastal MacroFlow

Function	Sensor (*optional)	Range	Accuracy	Resolution	Units
Heading	FSI Ostar Compass, magnetoresistive	0°-360°	2°	.09	degrees magnetic
Current Speed	Marsh McBirney 585 Velocity Sensor, electromagnetic	+/- 300	2%	0.18	cm/s
Temperature	Internal YSI Thermister	-5° to 35°	0.1°	.02 typ	°C
Pressure, Standard	*IC Sensors Strain Gauge, piezoresistive	30, 50, 100, 250	0.1%	12 bit	psia
Heading	*KVH C100 Compass Engine, fluxgate	0°-360°	0.5	0.24	degrees magnetic