Coastal's MacroTide

Description: Coastal's MacroTide and MacroTide+ record pressure levels in aquatic environments for tidal measurements using either an ICS Strain Gauge Pressure Sensor or a high-precision Paroscientific Digiquartz Sensor.

Capacity: 200K standard
Optional (Compact Flash Cards): 8MB, 16MB, etc.

Housing: **Diameter** – 5.5 in.
Length – 14 in. (including handle)
Weight – 15 lbs. in air
Material – Stainless steel and UHMW plastic housing
MacroTide+ length is 15.5 in., weight is 17 lbs. in air

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: **Pressure, Standard** – ICS Strain Gauge
Temperature, Internal – YSI Thermister

Optional:
Standard,
MacroTide+
Pressure, High Precision – Paroscientific Digiquartz

Optional: **Temperature, External –** YSI Thermister
Additional External Pressure – ICS Strain Gauge

**Coastal MacroTide
Exterior(above), Interior(below)**

Function	Sensor (*optional)	Range	Accuracy	Resolution	Units
Pressure, Standard	IC Sensors Strain Gauge, piezoresistive	30, 50, 100, 250	0.1%	12 bit	psia
Temperature	Internal YSI Thermister	-5° to 35°	0.1°	.02 typ	°C
Pressure, High Precision	*Paroscientific Digiquartz	900<	0.015%	16 bit	psia