



# Coastal's MacroQual

- Description:** Coastal's MacroQual measures dissolved oxygen in aquatic environments using gas permeable membranes.
- Capacity:** 200K standard  
Optional (Compact Flash Cards): 8MB, 16MB, etc.
- Housing:** **Diameter** – 5.5 in.  
**Length** – 15.5 in. (including handle)  
**Weight** – 17 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:** **Dissolved Oxygen** – UMS GmbH DO Sensor  
**Temperature, Internal** – YSI Thermister
- Optional:** **Pressure, Standard** – ICS Strain Gauge  
**Conductivity** – Falmouth Scientific C-T Sensor  
**Temperature, External** – YSI Thermister



Coastal MacroQual  
(w/ CT, temp & pressure)



UMSGmbH DO Sensor (silver)

Function	Sensor (*optional)	Range	Accuracy	Resolution	Units
Dissolved Oxygen	UMS GmbH DO Sensor	0-100	-	-	% saturation
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
Conductivity	*FSI OEM CT Sensor, inductive	0->64	0.025	0.018	mmho/cm