



# Coastal's MacroAccl

<b>Description:</b>	Coastal's MacroAccl measures 3-axis acceleration in a lightweight, mountable design.
<b>Capacity:</b>	16MB standard Optional (Compact Flash Cards): 32MB, 48MB, etc.
<b>Housing:</b>	<b>Diameter</b> – 5.5 in. <b>Length</b> – 14 in. (including handle) <b>Weight</b> – 15 lbs. in air <b>Material</b> – Stainless steel and UHMW plastic housing
<b>Power:</b>	User replaceable standard alkaline D cells
<b>Interface:</b>	Wizard IBM PC compatible software ASCII data files in engineering units User controlled sampling parameters and sensor functions
<b>Clock:</b>	Solid state real time, accuracy one minute per year
<b>Standard:</b>	<b>Accelerometer</b> – Summit Instruments Tri-Axial <b>Temperature, Internal</b> – YSI Thermister
<b>Optional:</b>	<b>Pressure, Standard</b> – ICS Strain Gauge <b>Temperature, External</b> – YSI Thermister <b>External Accelerometer Package</b> – Summit Instruments Tri-Axial



Coastal MacroAccl (with pressure)

Summit 3-Axis Accelerometer



Function	Sensor (*optional)	Range	Accuracy	Resolution	Units
Acceleration	Summit Instruments Tri-Axial Accelerometer	up to +/- 7.5	.2% FSR	12 bit	gravity (g)
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