



HydroCAT-EP V2, 110 dbar, 600 m, ODO sensor

Product #: HC-EP.12101S
USD Price: Contact Sea-Bird

Measures conductivity, temperature, depth, dissolved oxygen, pH, turbidity, and chlorophyll. It is ideally suited for extended deployments in remote, biologically rich environments.

Factory calibration and streamlined reference checks enable users to generate scientifically defensible data with minimal time and cost required for field maintenance. A five-year warranty and a set annual service cost means users can easily predict and plan for their service costs during the first five years of use. Ideally suited for long term deployments, the HydroCAT-EP V2 can be easily integrated with external data loggers and telemetry systems.

Multi-Parameter Moored CTD

Moored Conductivity, Temperature, and pH. Optionally includes Pressure, Oxygen, Chlorophyll, and Turbidity.

Flexible Telemetry Options

RS-232 and SDI-12

Long Term Quality Data

Expendable anti-foulant devices, unique flow path, and pumping regimen for bio-fouling protection.

Integral Pump

Configurable pump for optimal flushing.

Specifications

Chlorophyll and Turbidity:	No Chlorophyll and Turbidity
Chlorophyll fluorescence accuracy:	N/A
Chlorophyll fluorescence resolution:	N/A
Chlorophyll Measurement Range:	N/A
Communication:	RS-232 & SDI-12
Conductivity Accuracy:	± 0.003 mS/cm
Conductivity Measurement Range:	0 - 70 mS/cm
Conductivity resolution:	0.0001 mS/cm
Dissolved Oxygen Accuracy:	larger of ± 0.14 ml/L or $\pm 2\%$
Dissolved Oxygen Range:	200% of surface saturation
Dissolved Oxygen Resolution:	0.005 ml/L
Dissolved Oxygen Sensor:	600 m ODO Sensor
Housing Material:	Plastic
Memory:	16 mb

pH Accuracy:	± 0.1 pH
pH Range:	0 - 14 pH
pH Resolution:	0.01 pH
Pressure Initial Accuracy:	± 0.1% full scale range
Pressure Resolution:	± 0.002% full scale range
Pressure Sensor/Range:	110 dbar
Temperature Accuracy:	± 0.002 °C, ± 0.01 °C over 32 °C
Temperature Range:	-5 - 45 °C
Temperature Resolution:	0.0001 °C
Turbidity accuracy:	N/A
Turbidity range:	N/A
Turbidity resolution:	N/A