HydroCAT-EP V2, 600 m, ODO sensor, HCO sensor

Product #: **HC-EP.10111**

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:	Chlorophyll and Turbidity included
Chlorophyll fluorescence accuracy:	±3 % signal equivalent of uranine
Chlorophyll fluorescence resolution:	0.007–0.037 (range-based)
Chlorophyll Measurement Range:	0–400 µg/L NTU
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 ± 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:	N/A
Pressure Resolution:	N/A
Pressure Sensor/Range:	No Pressure Sensor
Temperature Accuracy:	± 0.002 °C, ± 0.01 °C over 32 °C
Temperature Range:	-5 - 45 °C
Temperature Resolution:	0.0001 °C
Turbidity accuracy:	± 1 %
Turbidity range:	0 - 3000 NTU
Turbidity resolution:	0.06 - 0.17 NTU (range-based)