



## HydroCAT-EP V2, 350 dbar, 600 m, ODO sensor, HCO sensor, no batteries, with accessories

Product #: HC-EP.13111LS

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.

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## 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:	± 0.1% full scale range
Pressure Resolution:	± 0.002% full scale range
Pressure Sensor/Range:	350 dbar
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)