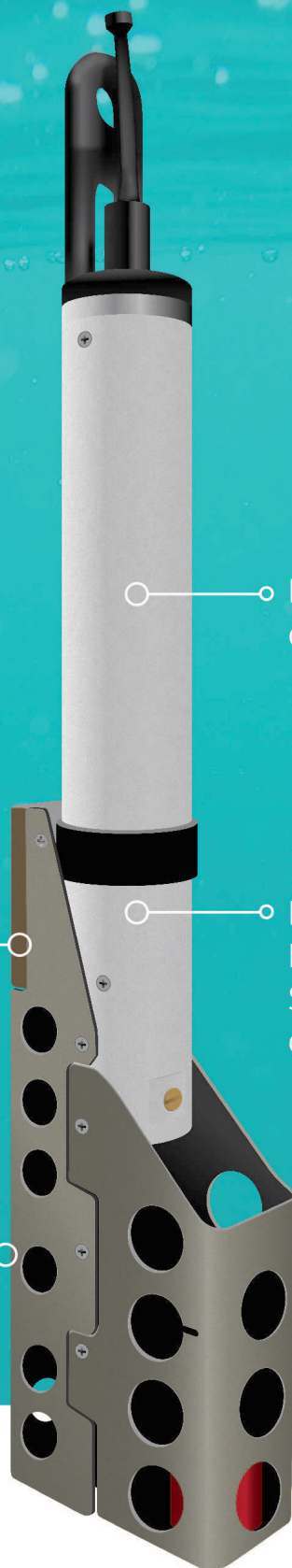


HydroCAT-EP V2



- Improved reliability during deployment
- Preservation of SBE 63, HCO and HydroCAT-EP SN through backward compatibility
- Mitigation against saltwater corrosion of the V2 pH module connector
- Higher security for the integration of the V2 pH module



SEA-BIRD
SCIENTIFIC

COMPARISON OVERVIEW

- More robust for saltwater applications between service intervals with improved durability.
- The new flushing port for the pH sensor's connector allows users to remove seawater before uninstalling the pH sensor. This prevents corrosive water from contacting the connector's pins, preventing damage to the sensor during future deployments.
- Two captured screws on the pH sensor create a more secure connection to the HydroCAT-EP V2's body. The single screw on the HydroCAT-EP V1 had a narrower range of acceptable torque to create a proper seal around the connector. The two-screw design creates a more reliable seal.
- More reliable sealing at SBE 63 Oxygen Sensor (if equipped) to prevent corrosion at the connector.
- More reliable sealing at HCO sensor (if equipped) to prevent corrosion at the connector.
- Maintenance videos on best practices for the V2 pH sensor and overall instrument care.

COMPARISON MATRIX

V1 VERSUS V2

Improvements	HydroCAT-EP V1	HydroCAT-EP V2
New flushing port for the pH sensor's connector		X
More reliable pH sensor integration		X
More reliable sealing at SBE 63 Oxygen Sensor (if equipped)		X
More reliable sealing at HCO sensor (if equipped)		X
Newest pH sensor with increased integrity		X
Maintenance videos accessible from the Sea-Bird Scientific website		X
Basic Features		
350 m plastic housing	X	X
6 – 33 sec/sample	X	X

Basic Features		
RS232 / SD-12 Communication	X	X
Connector type - MCBH(WB)-6MP	X	X
Input Voltage – 7-15 Volts	X	X
Current, typical (@7V) – 81 mA	X	X
Clock stability – 5 sec/month	X	X
Optional pH, Optical Dissolved Oxygen, Chlorophyll, Turbidity, and Pressure sensors	X	X
Backward Compatible with the SBE 63 (if equipped)	X	X
Backward Compatible with the HCO (if equipped)	X	X
Easy-to-use UCI Software	X	X
EPA-approved anti-foulant device and pumped internal flow path	X	X
Accuracy: ± 0.003 mS/cm Salinity ± 0.002°C/± 0.01°C Temperature ± 0.1% of full-scale range Pressure ±2% Oxygen ± 0.1 pH ± 1% Turbidity ± 3% signal equivalent of Uranine Chlorophyll	X	X
Weight in water/weight in air: 1.5kg/4kg	X	X