



Deep SeapHOx™ V2 Ocean CT(D)-pH-DO Sensor

Product #:

**DEEPSEAPHOXV2OCEANCT(D)-
PH-DOSENSOR**

USD Price:

Contact Sea-Bird

Product Line Shipping Hold Update

As of December 1st, 2023, Sea-Bird Scientific is accepting new orders for Deep SeapHOx with a 16 week lead time.

Accurate long-term pH measurements

The Deep SeapHOx™ V2 combines the SeaFET™ V2 pH sensor with the SBE 37-SMP-ODO MicroCAT CTD+DO sensor. The SeapHOx™ V2 allows for the integrated data collection of pH with the critical oceanographic and biological measurement of temperature, salinity, and oxygen. The integrated package also allows the SeaFET™ V2 to take advantage of the SBE 37's pumped flow path and anti-fouling technology, extending deployment durations in some cases.

Features:

- Moored pH, Conductivity, Temperature, Pressure, and Optical Dissolved Oxygen, at user-programmable intervals from 5 minutes to 24 hours.
- Internal memory and batteries
- Field-proven MicroCAT family, with more than 10,000 instruments deployed
- Maximum depth 2000 m

Internal pump

Better pH, conductivity, and oxygen response

Ion-selective field effect transistor

Over 10,000 deployed

RS232 or USB interface

pH measurements at high pressure

Specifications

Conductivity Accuracy:	± 0.003 mS/cm
Conductivity resolution:	0.0001 mS/cm
Depth Rating:	2000 m
Dissolved Oxygen Accuracy:	larger of ± 0.07 ml/L or ± 2%

Dissolved Oxygen Range:	120% of surface saturation
Dissolved Oxygen Resolution:	0.2 µmol/kg
pH Accuracy:	± 0.05
pH Range:	6.5-9
pH Resolution:	± 0.05
Pressure Range:	2000 m
Pressure Resolution:	± 0.002% full scale range
Temperature Accuracy:	± 0.002 °C from -5 to 35 deg C;
	± 0.01 °C from -5 to 35 deg C
Temperature Range:	-5 to 45 deg C
Temperature Resolution:	0.0001 deg C