



SBE 18 pH Sensor

Product #:

SBE_18

USD Price:

Contact Sea-Bird

Pressure-balanced glass-electrode/Ag/AgCl-reference pH probe provides in-situ measurements to 1200 m.

The SBE 18 pH Sensor uses a pressure-balanced glass-electrode /Ag/AgCl-reference pH probe to provide in-situ measurements at depths to 1200 meters. The replaceable pH probe is permanently sealed and is supplied with a soaker bottle attachment that prevents the reference electrode from drying out during storage. The sensor is a modular, self-contained package that is easy to install, service, and calibrate.

The SBE 18 is intended for use as an add-on auxiliary sensor for profiling CTDs (SBE 9plus; SBE 19, 19plus, and 19plus V2 SeaCAT; and SBE 25 and 25plus Sealogger). Power / signal interface cables and mounting hardware are available separately.

Voltage Output

Interface circuits buffer and offset the differential glass-electrode/reference potential to produce a high-level, pH-dependent, output voltage.

Laboratory Calibrated

Calibrated against precision buffer solutions (4, 7, and 10 pH \pm 0.02 pH); results tabulated on a certificate furnished with each sensor.

Specifications

Connector:	XSG
Depth Rating:	1200 m
Endcap:	Right angle
Housing Material:	Titanium
Output Signal:	0-5 V
pH Accuracy:	\pm 0.1 pH
pH Range:	0-14 pH
pH Time Response:	1 sec
Power input:	6-24 VDC, 15 mA
Weight:	0.7 kg in air, 0.4 kg in water