

sea-birdscientific.com info@sea-birdscientific.com

SeaFETTM Ocean pH Sensor

The SeaFET[™] Ocean pH Sensor is an ion selective field effect transistor (ISFET) type sensor for accurate long-term pH measurements in salt water.

Features

- Solid state ISFET sensor
- AgCI external reference electrode
- Calibrated using natural seawater
- Internal logging and scheduling
- Internal battery pack

Applications

- Ocean Acidification research
- · Coral reef physiology and sensitivity analyses
- Near-shore biological research
- Environmental monitoring

Flexible Operating Modes

- Continuous mode samples at up to 10 Hz
- Scheduled mode operates on internally stored schedule
- Polled mode responds to data logger commands
- Sample averaging calculates mean of 1 100 samples



SATLANTIC

Optical	
Measurement Range	6.5 to 9.0 pH
Initial Accuracy	0.02 pH
Precision	0.004 pH
Stability	0.003 pH/month

Electrical

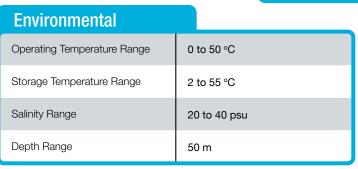
Supply Voltage Range	6 to 18 VDC
Power Consumption: Sampling	340-400 mW
Power Consumption: Sleep	1.1mA (max)
Batteries	12 x 1.5 V Alkaline D-Cells

Mechanical

Dimension: Housing	508 mm L x 114 mm D (20.00 in x 4.48 in)
Dimension: Overall	549 mm L x 114 mm D (21.63 in x 4.48 in)
Weight in air	5.4 kg (w/batteries)
Weight in water	0.1 kg (w/batteries)
Displacement	5300 cm³
Materials	PVC

Communication

External Connectors	МСВН8М
Administration	RS-232, USB
Telemetry	RS-232, USB
Storage	4 GB
Data Frame Rate (max)	10 Hz









Specifications subject to change without notice. ©2014 Sea-Bird Scientific. All rights reserved. Rev. March 2015

Satlantic info@satlantic.com +1-902-492-4780