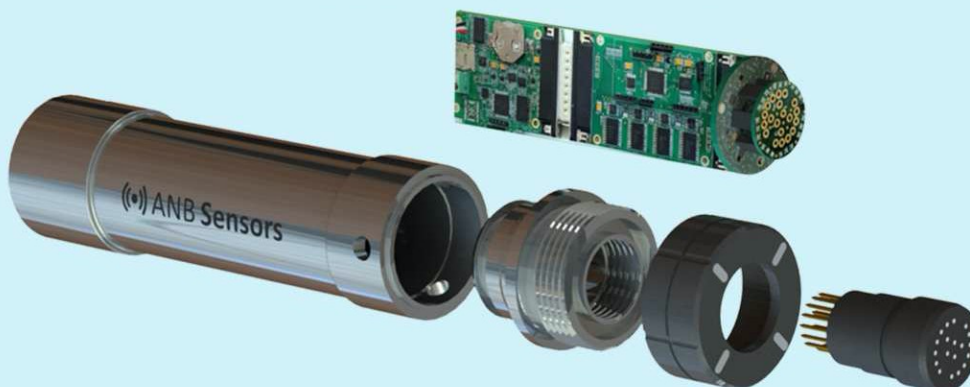


### S Series pH Sensors



The S Series pH Sensor uses ANB's patented technology to provide a pH sensor which is calibration free and does not suffer from reference electrode drift during its entire deployment.

- Unique algorithms provide the end user with real time health and performance information of the sensor.
- Mechanically robust, solid state sensor can be stored wet or dry and requires minimal user intervention.
- A compact and robust package, ideal as a standalone sensor, for ROV and AUV integration, or as part of a multi-sensor array and data logger system.

### Sensor

Parameter	Range	Accuracy	Resolution	Response Time
pH	2-10	0.05 pH	0.005 pH	Instantaneous

### Physical Characteristics

	S1000	S1100	S1200
Housing Material	None	Aluminum	Titanium
Diameter	60 mm	80 mm	47 mm
Length	150 mm	210 mm	175 mm
Weight in Water	N/A	~ 0.5 Kg	~ 0.3 Kg
Weight in Air	~ 0.2 Kg	~ 0.5 Kg	~ 0.5 Kg

## Environmental

Operating Temperature	-5 to 40 C
Salinity Range	0 to 350 PSU
Depth Range	up to 200 bar

## Electrical

Supply Voltage	External	5 to 20 VDC
Power Consumption	Sampling	< 80 mA
	Sleep	20 mA
Storage		8 GB
Communication		RS485, RS232, USB, I <sup>2</sup> C
Sampling Rate		0.03 Hz

## Operating modes

Continuous mode, sampling up to 0.03 Hz
Timed mode, interval from 1 min up to 1 week
Polled mode, responds to data logger via simple protocol

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