

**Title:** Commercially available seawater pH sensors for autonomous sampling

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**Description:** This table provides a list of commercially available seawater pH sensors. Honeywell Durafets (and sensors that use Durafets, for example, SeaFETs) are not included as Durafet production ceased in 2021. As of August 2022, alternative manufacturers for the Durafets are still being explored. Glass electrode sensors are not included here as they are not recommended for autonomous sampling per the best practices for seawater pH given the requirement for frequent independent validation to correct for drift. For more information about ocean carbon sensors, see [www.ioccp.org/hardware-directory](http://www.ioccp.org/hardware-directory).

Sensor	Method	Website	Peer-reviewed methods publication
SAMI pH, iSAMI, & AFT-pH	Spectrophotometric (autonomous: SAMIs; underway: AFT)	<a href="http://sunburstsensors.com/products/prod-overview.html">http://sunburstsensors.com/products/prod-overview.html</a>	<a href="http://www.sciencedirect.com/science/article/abs/pii/S0304420307002782">www.sciencedirect.com/science/article/abs/pii/S0304420307002782</a>
ClearWater pH	Spectrophotometric (autonomous)	<a href="http://www.clearwatersensors.com/ph-sensor/">www.clearwatersensors.com/ph-sensor/</a>	<a href="https://pubs.acs.org/doi/10.1021/acs.est.1c03517">https://pubs.acs.org/doi/10.1021/acs.est.1c03517</a>
CONTROS HydroFIA pH	Spectrophotometric (underway)	<a href="http://www.4h-jena.de/en/maritime-technologies/sensors/hydrofiaph/">www.4h-jena.de/en/maritime-technologies/sensors/hydrofiaph/</a>	<a href="https://os.copernicus.org/articles/7/597/2011/">https://os.copernicus.org/articles/7/597/2011/</a>
PryoScience AquapHOx & Pico pH	Optical (autonomous)	<a href="http://www.pyroscience.com/en/products/all-meters/aquaphox-tx">www.pyroscience.com/en/products/all-meters/aquaphox-tx</a>	<a href="http://www.sciencedirect.com/science/article/pii/S0003267015011654">www.sciencedirect.com/science/article/pii/S0003267015011654</a> <a href="http://www.sciencedirect.com/science/article/pii/S0925400518320021?via%3Dihub">www.sciencedirect.com/science/article/pii/S0925400518320021?via%3Dihub</a>
ANB pH	Solid-state (autonomous)	<a href="http://www.anbsensors.com/products">www.anbsensors.com/products</a>	<a href="https://os.copernicus.org/preprints/os-2021-126">https://os.copernicus.org/preprints/os-2021-126</a>