

## Profiler Integrated Sensors

Sensors are selected based on data needs for the following available Profiler models:

- McLane Moored Profiler (MMP) standard version
- MMP extended version with 50% more battery capacity
- Ice Tethered Profiler (ITP)

New sensors can be integrated based on sensor size and battery drain. Some sensors offer different depths. Check with specific sensor manufacturers for details. Self logging sensors sample at the sensor's native rate.

Conductivity, temperature, depth*	Manufacturer	Sensor	Depth	Self Logs
*CTD is required	Sea-Bird	52MP (for MMP)	7,000 m	Y
	Sea-Bird	SBE 41Plus (ITP)	2,000 m	Y
	RBR	Logger CTD	7,000 m	Y

Acoustic current meter	Manufacturer	Sensor	Depth	Self Logs
	Fal Scientific	FSI ACMPPlus	7,000 dbar	Y
	Nobska	MAVS	6,000 m	Y
	Nortek	Aquadopp II	1,000 m	Y

Dissolved Gasses	Manufacturer	Sensor	Depth	Self Logs
Dissolved oxygen	Aanderaa	Optode	6,000 m	N
CH <sub>4</sub>	ProOceanus	Mini CH <sub>4</sub>	4,000 m Ti (or 600 m)	N
CO <sub>2</sub>	ProOceanus	Mini CO <sub>2</sub>	4,000 m Ti (or 600 m)	N
Dissolved oxygen	Sea-Bird	43F (52MP)	7,000 m	Y

Optical sensors	Manufacturer	Sensor	Depth	Self Logs
Chlorophyll	BBE	Fluoroprobe	1,000 m (or 100, 300 m)	N
Irradiance (Photosynthetic Active Radiation)	Biospherical	PAR QSP 2200	2,000 m	N
Irradiance (Photosynthetic Active Radiation)	Biospherical	PAR QCP-2300	2,000 m	N
Irradiance (Photosynthetic Active Radiation)	Biospherical	PAR QCP-2350	2,000 m (or 6,800 m)	N
Chlorophyll	Seapoint	Fluorometer	6,000 m	N
Light scattered by particles in water	Seapoint	Turbidity	6,000 m	N
Nitrate	Satlantic	SUNA	2,000 m (or 500 m)	Y
Transmissometer	Wet Labs	C-Star	6,000 m	N
Oil-in water	Wet Labs	Sea Owl	2,000 m	N
Scatter, Chlorophyll fluorometer counts, CDOM fluorometer counts	Wet Labs	BBFL2	6,000 m (or 300, 600 m)	N
Combinations of optical measurements	Wet Labs	FLBBCD	2,000 m	N
Fluorometer, turbidity, temp (if installed)	Wet Labs	FLBB(RT)/D	6,000 m (or 300, 600 m)	N