

Parameter	Range	Unit	Accuracy	Resolution	Uncertainties or bias	Instrument, manufacturer
Water temperature	– 10 to 50	°C	0.1	0.01	Due to heating up in the tubes (max. 0.5°C)	Excell ETSG 2, Falmouth Scientific Inc., USA
Salinity	0 to 50		0.02	0.001		
Turbidity	0 to 9999	FNU	10 %	0.01	Offset due to small bubbles	TurbiMax W CUS 41, Endress&Hauser, Germany
Dissolved oxygen (Clark electrode)	1.5 to 625	$\mu\text{mol L}^{-1}$	1 %	0.3		Oxymax W COS41 Endress&Hauser, Germany
dissolved oxygen (optode)	0 to 500	$\mu\text{mol L}^{-1}$	8 or 5 %	1		Optode 3830, Aanderaa, Norway
Chlorophyll <i>a</i> fluorescence	0 to 200	$\mu\text{g L}^{-1}$	10 %	0.5	Changing fluorescence yield	SCUFA-II, Turner Design, USA
Turbidity Turner	– 0 to 50	NTU		0.05	Offset due to small bubbles	