

Basic parameter	Range	Accuracy
Conductivity	0 ... 70 mS/cm	0.003 mS/cm
Temperature	-3 ... 35 °C	0.002 °C
Salinity	2 ... 42 PSU	0.005 PSU
Oxygen conc.	0 ... 500 µmol/l	8 µmol/l
Oxygen sat.	0 ... 120%	0.4%
Total chlorophyll	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
<i>green algae</i>	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
<i>cyanobacteria</i>	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
<i>diatoms</i>	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
<i>dinoflagelates</i>	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
<i>yellow substances</i>	0 ... 200 µg/l	0.01 µg/l
<i>cryptophytes</i>	0 ... 200 µg Chl-a/l	0.01 µg Chl-a/l
Turbidity	0 ... 750 NTU	0.2 NTU
pH	0 ... 14	0.1
Intake temperature	-3 ... 35 °C	0.001 °C

Accessory
Water sampler
Plankton sampler
Litter sampler
Inlet pump
Outlet tank and pump
GPS
Telemetry

Other parameters on request

Optional parameter	Range	Accuracy
Dissolved nutrients*		
NO _x (nitrate + nitrite)	0 ... 14 µmol/l up to 71 mmol/l	<i>depends on calibration range</i>
NO ₂ (nitrite)	0 ... 3.5 µmol/l up to 1.4 mmol/l	<i>depends on calibration range</i>
PO ₄ (phosphate)	0 ... 6.5 µmol/l up to 6.5 mmol/l	<i>depends on calibration range</i>
NH ₄ (ammonium)	0 ... 14 µmol/l up to 71 µmol/l	<i>depends on calibration range</i>
Si(OH) ₄ (silicate)	0 ... 3.3 µmol/l up to 3.3 mmol/l	<i>depends on calibration range</i>
pCO ₂	0 ... 3000 ppm	1 %
CH ₄	0 ... 50 µmol/l	3 %
Phycocyanin	0 ... 150.000 cells/ml	500 cells/ml
Phycoerythrin	0 ... 150.000 cells/m	500 cells/ml
Fluorescein	0 ... 500 ppb	5 ppb
Rhodamine	0 ... 1000 ppb	10 ppb
CDOM/ FDOM	0 ... 2500 ppb	25 ppb
Crude oil	0 ... 2700 ppb PTSA	30 ppb PTSA
COD eq.	0 ... 5000 mg/l	5 %
BOD eq.	0 ... 5000 mg/l	5 %
TOC eq.	0 ... 500 mg/l	5 %
Global radiation	0 ... 2000W/m ²	0.012
Wind direction	0 ... 360 deg	2 deg
Wind speed	0.7 ... 50 m/s	1 m/s
Air temperature	-70 ... 90 °C	0.1 °C
Air pressure	600 ... 1100 hPa	10.5 hPa
Relative humidity	0 ... 100%	2 %
Precipitation	0 ... 4 ml/min	0.1 ml/min
Transmission	0 ... 100%	1 %
Water level	0 ... 10m	5 mm

*Calibration range will be adapted to user-specific optimum.