

Requirement specification – Auto Analyzer for analysis of parameters in seawater Bioforsk Nord Bodø	
Purpose: Measurement of the following parameters: Nitrate, Ammonia, Phosphate, Silicon in seawater	
Model/type: Bench model	
	Yes/No
FIA (Flow Injection Analysis) ; Integrated IC (Ion Chromatography)	
Lowest level of the target area: 20 µg / L	
5 channels	
Dual beam photometer (340-880 nm)	
Heating unit 25-160 °C	
High-performance 6 port injection sample valve	
Interference Filter	
Reagent pump: 12 and 16 positions controlled by software	
0.5% accuracy and reproducibility	
Tube I.D.: 0.8 mm/0.5 mm	
Injected sample volume: 2 µL - 250 µL	
90 tests/hour/channel	
Real time closed-loop control of data quality	
Software	

Possible additional requirements
Maintenance agreement. 1 year, 3 years and 5 years alternative
Possibility for a diluter accessory
Time for delivery (from order to installment)