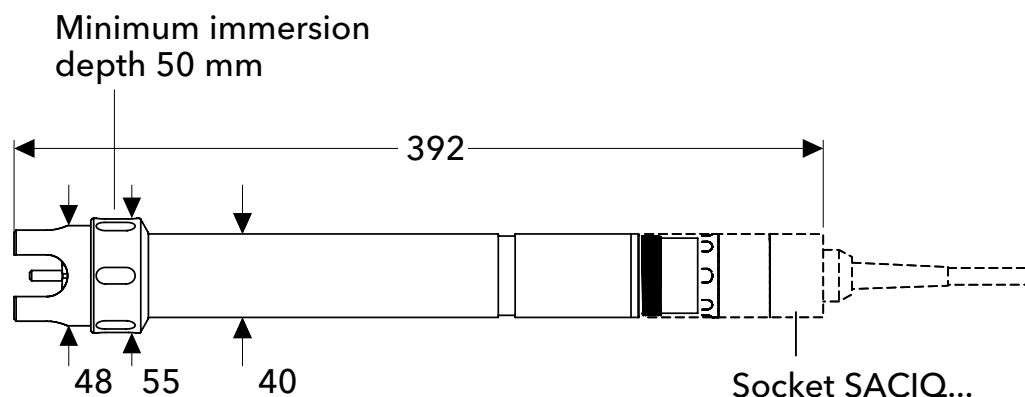




Digital ISE sensor NitraLyt® for nitrate

Nitrogen elimination – transparent, process optimized, economical. Nitrate measurement directly in the medium – optimized for regulation purposes

We would like to inform you about the application range on our website



Technical Data

Model	NitraLyt®Plus	
Measuring method	Potentiometric	
Appropriate Electrode	Reference electrode VARiON® Ref, Measuring electrode VARiON®Plus NO ₃ , Compensation electrode VARiON®Plus Cl	
Measuring range/ Resolution	NO ₃ -N: 1 ... 1000 mg/l / 1 mg/l; 0.1 ... 100.0 mg/l / 0.1 mg/l	
Compensation Range	NO ₃ ⁻: 5 ... 4500 mg/l / 5 mg/l; 0.5 ... 450.0 mg/l / 0.5 mg/l	
	Cl⁻: 0.1 ... 1,000 mg/l / 0.1 mg/l	
Measuring Accuracy in laboratory standard solutions	± 5 % of measured value ± 0.2 mg/l in standard solutions	
Calibration Procedures	Matrix adjustment against any reference value, 2-point-calibration possible with multiple standard solution	
Working Life (typically)	Reference electrode: 18 months, measuring and compensation electrode: 18 months (in typical application - municipal sewage plants)	
Temperature Measurement and Compensation	Integrated NTC thermistor, Range 32 °F ... 104 °F (0 °C ... +40 °C), Accuracy ±0.5 K, Resolution 0.1 K, t ₉₅ < 20 s	
pH range	pH 4 ... pH 11	
Pressure Resistance	Maximum 0.2 bar (incl. SACIQ sensor connection cable, with installed electrodes)	
Ambient Conditions	Operating temperature: 32 °F ... 104 °F (0 °C ... +40 °C), storing temperature: 32 °F ... 104 °F (0 °C ... +40 °C)	
Electrical connections	2-wire shield cable with quick fastener to sensor	
Electromagnetic Compatibility	EN 61326, Class B, FCC Class A; Intended for indispensable operation	
Certifications	CE	
Mechanical	Sensor body: V4A stainless steel 1.4571 Temperature sensor: V4A stainless steel 1.4571 Electrode connector: POM	Protective cup: POM Protection rating: IP 68 (0.2 bar, with installed electrodes)
Weight	Approx. 1.48 lb (670 g, without electrode, without sensor connection cable)	
Warranty	NitraLyt®Plus 700 IQ: 2 years Electrodes: 1 year for defects of quality	

Model	Description	Order No.
NitraLyt® Plus 700 IQ	Digital sensor for the ion selective measurement of nitrate (Please order the sensor cable SACIQ separately)	107080
NitraLyt® Plus SET	NitraLyt®Plus 700 IQ, VARiON® Ref and VARiON®Plus NO ₃ (Please order the sensor cable SACIQ separately)	107081
NitraLyt® Plus SET/Comp	NitraLyt®Plus 700 IQ, VARiON® Ref, VARiON®Plus NO ₃ and VARiON®Plus CL (Please order the sensor cable SACIQ separately)	107082