

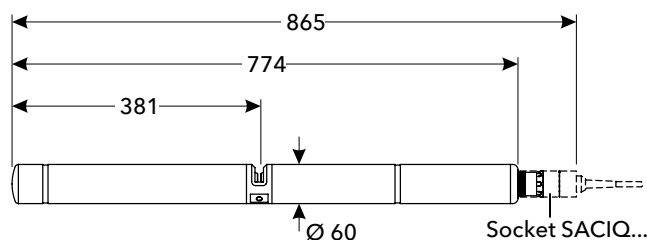


# Digital optical UV VIS spectral probe NitraVis® for nitrate and suspended solids

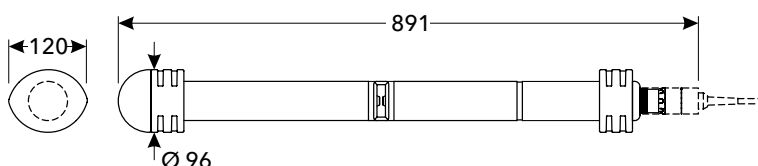
Sensor with integrated ultrasonic cleaning for the reagent-free measurement of nitrate and suspended solids (optional) - optimized for municipal wastewater treatment systems

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

NitraVis® 701 IQ (TS), NitraVis® 705 IQ (TS)



With shock protection:



## Technical Data

Model	NitraVis® 701 IQ	NitraVis® 705 IQ	NitraVis® 701 IQ TS	NitraVis® 705 IQ TS
<b>Measuring method</b>	Spectral Measurement in the UV-VIS Range (200 - 720 nm)			
<b>Measuring gap</b> (optical layer thickness)	1 mm	5 mm	1 mm	5 mm
<b>Application</b> (optimized for)	Municipal wastewater:	Municipal wastewater:	Municipal wastewater:	Municipal wastewater:
<b>Measuring range and Resolution</b>	<b>Inlet:</b> NO <sub>3</sub> 0.0 ... 300.0 mg/l 0.1 mg/l NO <sub>3</sub> -N 0.00 ... 60.00 mg/l 0.01 mg/l TSS		<b>Inlet:</b> 0.0 ... 300.0 mg/l 0.1 mg/l 0.00 ... 60.00 mg/l 0.01 mg/l 0.00 ... 15.00 g/l 0.01 g/l	
	<b>Aeration:</b> NO <sub>3</sub> 0.0 ... 300.0 mg/l 0.1 mg/l NO <sub>3</sub> -N 0.00 ... 60.00 mg/l 0.01 mg/l TSS		<b>Aeration:</b> 0.0 ... 300.0 mg/l 0.1 mg/l 0.00 ... 60.00 mg/l 0.01 mg/l 0.00 ... 20.00 g/l 0.01 g/l	
	<b>Effluent:</b> NO <sub>3</sub> 0.0 ... 750.0 mg/l 0.1 mg/l NO <sub>3</sub> -N 0.0 ... 150.0 mg/l 0.1 mg/l TSS	<b>Effluent:</b> 0.0 ... 250.0 mg/l 0.1 mg/l 0.00 ... 50.00 mg/l 0.01 mg/l	<b>Effluent:</b> 0.0 ... 750.0 mg/l 0.1 mg/l 0.0 ... 150.0 mg/l 0.1 mg/l 0 ... 4,500 mg/l 1 mg/l	<b>Effluent:</b> 0.0 ... 250.0 mg/l 0.1 mg/l 0.00 ... 50.00 mg/l 0.01 mg/l 0.0 ... 900.0 mg/l 0.1 mg/l
<b>Accuracy</b> (standard application muni. WWTP)	NO <sub>3</sub> -N: ± 3 % of measured value ± 0.5 mg/l TSS: ± 5 % of measured value ± 50 mg/l			
<b>Flow rate</b>	≤ 3 m/s			
<b>Pressure Resistance</b>	Maximum 1 bar (incl. sensor connection cable)			
<b>Electrical connections</b>	2-wire shield cable with quick fastener to sensor			
<b>Electromagnetic Compatibility</b>	EN 61326, Class B, FCC Class A Intended for indispensable operation			
<b>Certifications</b>	CE			
<b>Mechanical</b>	Housing: Titan Grade 2, PEEK Window: Sapphire glass Protection class: IP 68			
<b>Weight</b> (without cable)	Approx. 8.82 lb (4 kg)			
<b>Warranty</b>	2 years for defects in quality			

Model	Description	Order No.
<b>NitraVis® 701 IQ</b>	Spectral nitrate probe for the measurement in inlet/aeration with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately)	481044
<b>NitraVis® 705 IQ</b>	Like NitraVis® 701 IQ, but for measuring in the outlet	481046
<b>NitraVis® 701 IQ TS</b>	Spectral nitrate and suspended solids probe for measuring in the inlet/aeration with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately)	481045
<b>NitraVis® 705 IQ TS</b>	Like NitraVis® 701 IQ TS, but for measuring in the outlet	481047