



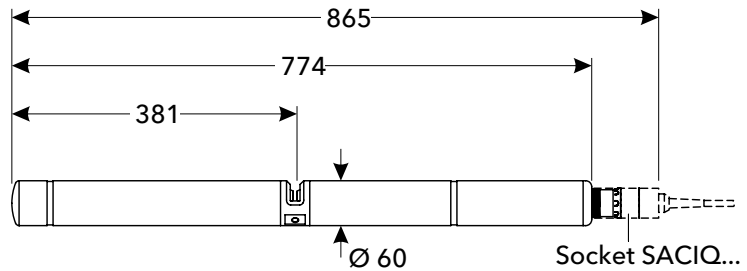
# Digital optical UV spectral probe NitraVis® NI for nitrate and nitrite

Sensor with maintenance-free ultrasonic cleaning for measurement of nitrate and nitrite directly in the process - optimized for municipal wastewater treatment systems

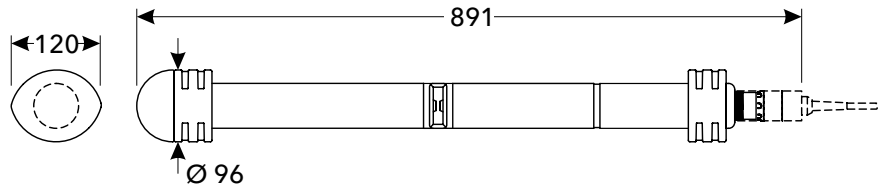
We would like to inform you about the application range on our website



NitraVis® 701 IQ NI, NitraVis® 705 IQ NI



With shock protection:



## Technical Data

Model	NitraVis® 701 IQ NI	NitraVis® 705 IQ NI
<b>Measuring method</b>	Spectral Measurement in the UV Range (200-390 nm)	
<b>Measuring gap</b> (optical layer thickness)	1 mm	5 mm
<b>Application</b> (optimized for)	Municipal wastewater:	Municipal wastewater:
<b>Measuring range and Resolution</b>	<b>Inlet &amp; 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 NO <sub>2</sub> 0.0 ... 120.0 mg/l 0.1 mg/l NO <sub>2</sub> -N 0.00 ... 30.00 mg/l 0.01 mg/l	
	<b>Effluent:</b>	<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 NO <sub>2</sub> 0.0 ... 300.0 mg/l 0.1 mg/l NO <sub>2</sub> -N 0.00 ... 75.00 mg/l 0.01 mg/l	0.0 ... 250.0 mg/l 0.1 mg/l 0.00 ... 50.00 mg/l 0.01 mg/l 0.0 ... 100.0 mg/l 0.1 mg/l 0.00 ... 25.00 mg/l 0.01 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.
NitraVis® 701 IQ NI	Spectral nitrate and nitrite probe for measuring in the inlet/aeration with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately)	481056
NitraVis® 705 IQ NI	Like NitraVis®705 IQ NI, but for measuring in the drain/outlet	481057