



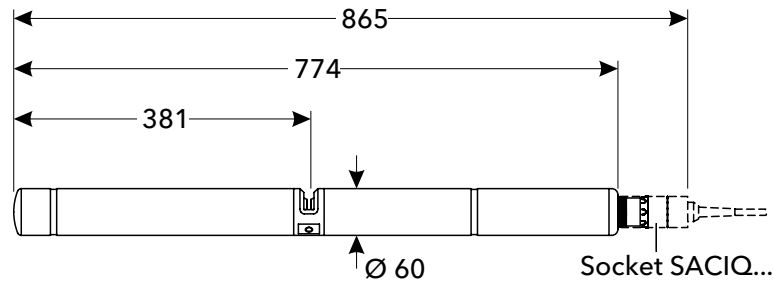
# Optical nitrate sensor UV 70x IQ NO<sub>x</sub>



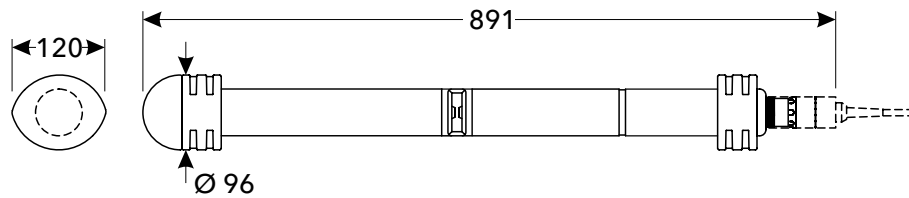
Low-cost probe with integrated ultrasonic cleaning for the maintenance-free and reagent-free measurement of nitrate

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

UV 701 IQ NO<sub>x</sub>, UV 705 IQ NO<sub>x</sub>



With shock protection:



Model	UV 701 IQ NO <sub>x</sub>	UV 705 IQ NO <sub>x</sub>
<b>Measuring method</b>	UV Single Wavelengths Absorption Measurement	
<b>Measuring gap</b> (optical layer thickness)	1 mm	5 mm
<b>Application</b> (optimized for)	Municipal wastewater with a low proportion of industrial wastewater, waste water treatment plants, surface water	
<b>Measuring range and Resolution</b>	NO <sub>x</sub> 0.0 ... 500.0 mg/l 0.1 mg/l NO <sub>x</sub> -N 0.0 ... 100.0 mg/l 0.1 mg/l	0.0 ... 100.0 mg/l 0.1 mg/l 0.0 ... 20.0 mg/l 0.1 mg/l
<b>Displayable Parameters</b>	1	
<b>Accuracy</b> (standard application muni. WWTP)	NO <sub>x</sub> -N: ± 3 % of measured value ± 0.5 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, UKCA	
<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.
UV 701 IQ NO <sub>x</sub>	Optical nitrate (NO <sub>x</sub> ) sensor to measure higher concentration with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately)	481034
UV 705 IQ NO <sub>x</sub>	Like UV 701 IQ NO <sub>x</sub> , but to measure low concentrations	481035



Xylem Analytics Germany Sales GmbH & Co. KG · Am Achalaich 11 · 82362 Weilheim · Germany  
 Phone: +49 881 1830 · Fax: +49 881 183-420 · Info.XAGS@xylem.com · www.xylemanalytics.com  
 All names are registered tradenames or trademarks of Xylem Inc. or one of its subsidiaries. Technical changes reserved. © 2023 Xylem Analytics Germany Sales GmbH & Co. KG.

