

# Interface Level Measurement with the IFL 700 IQ Digital Sensor

**New Sensor  
for the  
IQ SENSOR NET**



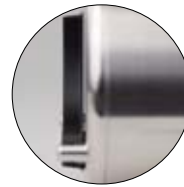
a xylem brand

## Features

- Intelligent signal processing results in more reliable readings: Filtering out of undesired signals caused by floating sludge, obstacles or moving skimmers
- Ready-to-go with simple system configuration
- Detailed display of echo profile for visualization and maximum user benefit
- Contact-free and maintenance-free cleaning system with automatic adjustment of cleaning intervals



Echo profile on the 2020 XT



Automatic cleaning system



IFL 700 IQ

## Technical Data

Measurement method	Ultrasound echo measurement
Measurement range	0.4 m - 15 m
Resolution	0.01 m
Accuracy	0.1 m
Signal filters	Yes
Flow speed	Max. 4 m/s
Physical dimensions	Length 442 mm (17.4 in.); max. diameter 105 mm (4.13 in.)
Weight	Approx. 3.6 kg (7 lb)
Immersion depth	Min. 5 cm; max. 3 m
Protection class	Sensor with SACIQ cable connected: IP 68; 0.3 bar
Pressure resistance	The sensor with connected SACIQ cable complies with the requirements of article 3(3), 97/23/EU guideline.
Permitted pH range of medium	4 ... 12
Permitted temperature range	Medium: > 0° ... +50° C; Storage and transport: -5° ... +50° C
Materials	Shaft and baseplate: stainless steel 1.4571 Plug head and transition unit: POM Ultrasound unit: PVC-C Cleaning system: Grade 2 Titanium (shaft) and Grivory
Equipment safety, Standards	EN 61010-1; UL 61010-1; CAN/CSA C22.2#61010-1
Electric data	Nominal voltage 24 VDC, provided by the IQ SENSOR NET system
Power consumption	IFL 700 IQ: 5.5 W; IFL 701 IQ: 3 W; with MIQ/Blue PS: 3 W
Certifications	CE, cETL, ETL
Usable System	IQ SENSOR NET System 2020 XT

## Ordering information

Model	Description	Order No.
IFL 700 IQ	Digital ultrasound interface level sensor with automatic cleaning system	481200
IFL 701 IQ	Digital ultrasound interface level sensor	481201