

Interface level measurement with the IFL 700 IQ digital sensor

**New sensor
for the IQSN!**



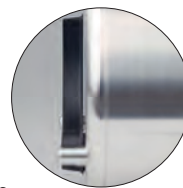
a xylem brand

Features

- Intelligent signal processing results in more reliable readings: Filter out of undesired signals caused by floating sludge, internal fittings or moving skimmers
- Ready-to-go with simple system configuration
- Detailed display of echo profile for visualization and maximum user benefit
- 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	0.03 m
Signal filters	Yes
Flow speed	Max. 4 m/s
Physical dimensions	Length 442 mm; max. diameter 105 mm
Weight	Approx. 3.6 kg
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	2.8 W
Certifications	CE, cETL, ETL
Verwendbares 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