

IFL 700 IQ

INTERFACE/SLUDGE LEVEL MEASUREMENT FOR IQ SENSORNET



Enhance sludge level monitoring with smart technology

The **IFL** is an ultrasonic, interface level measurement sensor for the IQ SensorNet system. In many water treatment processes, measurement of the interface level between liquids and solids is of vital importance for optimal performance and trouble-free operation. The IFL 70x IQ provides continuous data to improve performance of processes such as sedimentation.



Intelligent Signal Processing

Filters out undesired signals caused by floating sludge, stationary equipment or moving clarifiers.



Data Visualization

Detailed display of the echo profile provides a graphical representation of measurements across the depth range.



Smart Design

Maintenance-free cleaning system uses an automatic, contact-free wiper to keep the sensor face clean.



Protected Investment

Built with durable materials and covered by a 2-year sensor warranty for peace of mind.



a xylem brand

IFL Sensor Options

The IFL is available with or without the contact-free automatic wiper.

IFL 700 IQ

Ultrasonic sludge level **with** automatic cleaning wiper

IFL 701 IQ

Ultrasonic sludge level **without** automatic cleaning wiper



A graphical display of the sludge profile allows operators to visualize sludge height, providing a better understanding of the process and optimized control.



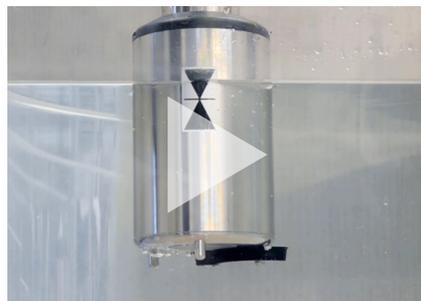
IFL wiper mechanism

IFL 700 IQ General Specifications

Flow Rate	Maximum 9.84 ft/s (3 m/s)
Signal Output	Digital
Lightning Protection	Yes
Power Consumption	IFL 700 IQ: 5.5 W; IFL 701 IQ: 3.0 W
Maximum Pressure	0.3 bar (4.35 psi)
Electrical Connections	2-wire shield cable with quick sensor connection
Conformance/Certifications	Conforms to ANSI/UL 61010-1 Certified to CAN/CSA C22.2#61010-1 cETLus, CE, ETL
Temperature Conditions	Operating Temperature: 32 to 122 °F (0 to 50 °C) Storage Temperature: 23 to 122 °F (-5 to 50 °C)
Material	Housing: V4A stainless steel 1.4571 and POM Sensor face: PVC-C Wiper: grivory and titanium grade 2
Protection Class	IP-X8; waterproof
Dimensions	17.40 L x 4.13 D in (442 L x 105 D mm)
Weight	IFL 700 IQ: 8.59 lbs (3.90 kg) IFL 701 IQ: 8.16 lbs (3.7 kg)
Warranty	2 years

IFL 700 IQ Sludge Level Specifications

Measuring Range	1.31 to 49.21 ft. (0.40 to 15.00 m)
Resolution	0.03 ft. (0.01 m)
Accuracy	0.3 ft. (0.1 m)



Watch the IFL wiper in action



bit.ly/IFLwiper

Unlike traditional wiper systems, the IFL's wiper mechanism is a non-contact system that removes air bubbles and excess algae. High quality materials make this cleaning system maintenance free.

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