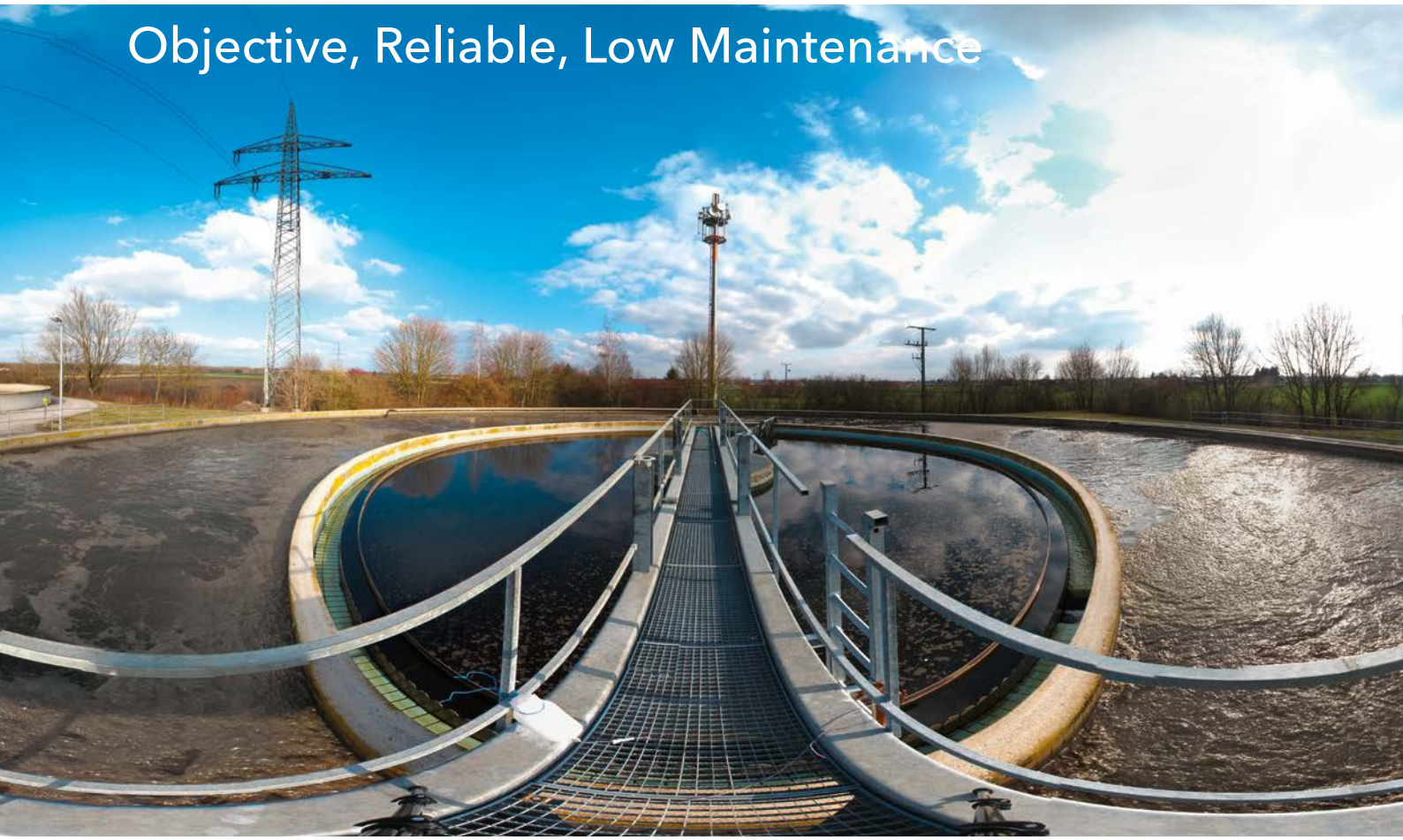
Sludge Level Measurement



The sludge level is the boundary of settled sludge to the projecting turbid or clear water, wherein the location of the sludge level is defined as the distance to the water surface (sludge level depth), or as distance from the tank bottom (sludge level).

The sludge level plays primarily a role in the area of wastewater treatment (pre-sedimentation, thickener and post-sedimentation), water treatment and also in the process analysis. The sensor can be used in clear, turbid and heavily polluted liquids with a high content of solids.

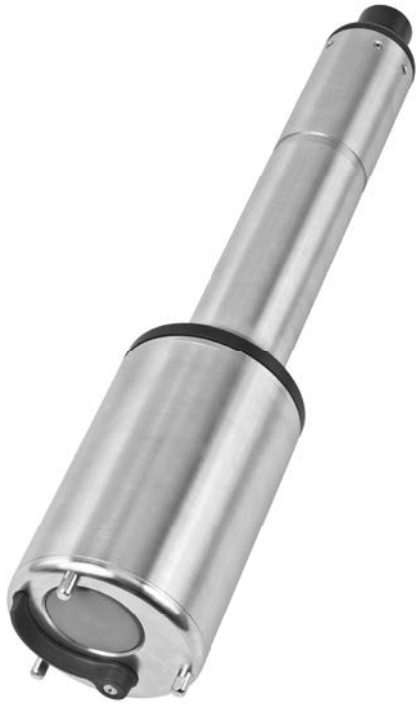
Fields of application:

- Municipal and industrial wastewater
  - Optimization / control of the (primary) sludge extraction
  - The management of the return sludge
  - Monitoring of the settling behavior

see also https://www.xylemanalytics.com/en/parameters/sludge-level

WTW a xylem brand
Xylem Analytics Germany Sales GmbH & Co. KG, WTW
Dr.-Karl-Slevogt-Straße1·D-82362Weilheim·Germany·Phone:+498811830·Fax:+49881183-420·Info.WTW@Xyleminc.com
www.xylemanalytics.com

Digital IQ Sensor to Determine the Sludge Level



Digital ultrasonic sensor IFL 700 IQ

- Applicable for different tank designs
- Very easy commissioning
- Maintenance-free cleaning system
- Detailed presentation of sludge profile

IP 68 | 2 Year Warranty | TD D2.17

IFL 700 IQ

The IFL 700 IQ has a cleaning system of high quality materials such as titanium (shaft, sealed several times) and Grivory (scraper). Because of the technical design, this system is maintenance free. An annual replacement of seals or the scraper is not required. The cleaning cycle can be set individually in the system. The necessary cleaning frequency is automatically adjusted by the sensor.

IFL 701 IQ

This version is recommended for an operation with no air bubbles or contamination.

Ordering Information

Model	Description	Order No.
IFL 700 IQ	Digital ultrasonic sensor with automatic cleaning to measure the sludge level	481200
IFL 701 IQ	Digital ultrasonic sensor to measure the sludge level	481201

For technical data please see datasheet D2.17

Alternatives and accessories see brochure "Product Details" and website

Information about IQ Sensor Net system see from page 42

Radio module see page 48