



AXsensor – connected sensors for smart measuring of overflow and indirect flow in water and sewage wells.

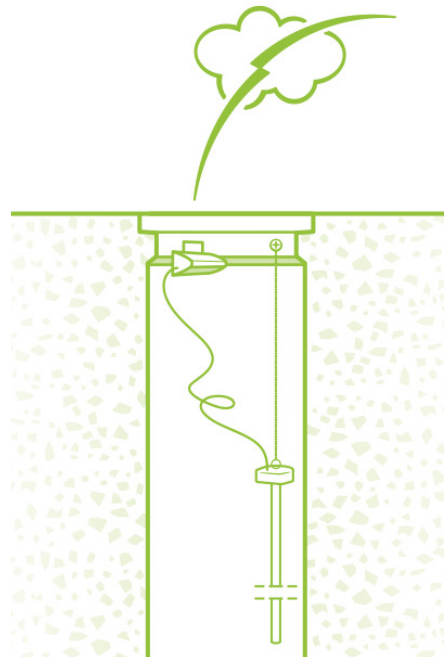
AXsensor AB manufactures and sells a cloud-based, patented sensor solution for smart liquid level measuring. The solution is wireless and uses IoT and LoRa in order to smoothly monitor and manage water and sewage systems in real time, so-called Smart Water and Wastewater Management. This means:

Efficient measuring of overflow with high reliability – and the ability to generate a basis for clear reports based on exact measurements. This makes it easy for you to get a clear overview of your unclean water overflow.

Clear indirect flow measuring with "early warning" – an alarm function that notifies you as soon as the waters in your wells reach critical levels. This makes it easy for you to prevent flooding well in advance.

This is unique about our sensor solution:

- Robust sensors that can be drowned.
- Measurements with high reliability.
- WakeUp: an automatic function that gives early warning and can send measurement data every other minute.
- Very low energy consumption and long lasting battery (up to 10 years).
- Very easy installation: one bolt, one wire and one magnetic fastener.



This is how our sensor solution work

A sensor, a.k.a. the AXsensor, and an external antenna is installed in every water and sewage well. The AXsensor is connected to LPWAN/LoRa and measures overflow and indirect flow with high reliability, while also communicating with a cloud-based system in real-time. The cloud-based system visualizes the exact measurements and instantly shows what is going on in every water and sewage well.

We enable the smart and sustainable city. Today, theoretical calculations are not enough – every municipality must be able to present exact values. And that is why AXsensor plays an important role in the development of the concept Smart City. Our cloud-based sensor solution is a smart IoT application – developed to monitor and manage water and sewage systems and enable measuring data in real-time. In short, AXsensor is very helpful to municipalities that value sustainability.

Technical data

Measuring accuracy:

- Resolution: 0,1 mm
- Accuracy: +/- 5 mm under normal operating conditions

Temperature range for operating and storage: -20 to +50 °C

Supply voltage: AA Battery – 3,6 V

Total weight: 2,5 kg

Dimensions:

- The sensor shell: 110x80x25 mm
- Length of measuring tube, including filter tube and reinforcement tube: 1400 mm

Materials:

- The sensor shell: ABS/PC
- Measuring tube and filter tube: PE, or similar material
- Reinforcement tube: Stainless steel

