

# Leakage detection with LiquiSonic®

Early Detection of Leaks preventing Environmental and Financial Risks



LiquiSonic® Measurement System



NaOH, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>,  
Glycol...



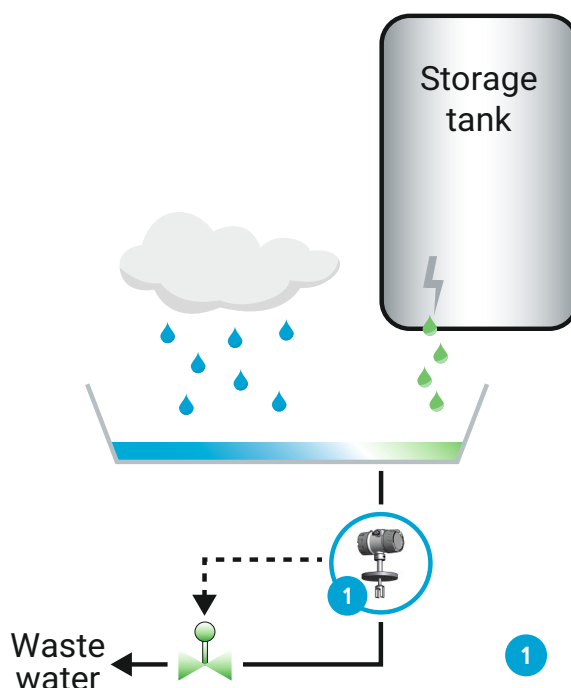
Plug & Play  
System



Automated Data  
storage



Fast response  
time



Undetected leaks?  
We spot them.

Undetected leaks in industrial plants can lead to serious environmental damage, regulatory penalties, and operational disruptions.

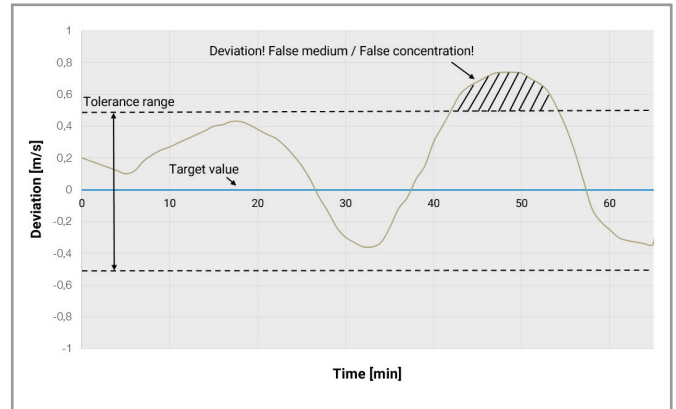
The LiquiSonic® system continuously monitors wastewater and immediately detects foreign liquids, allowing for quick intervention before problems escalate.

1 Monitoring of the rainwater in case of leakage

## How it works

LiquiSonic® uses high-precision sonic velocity measurement to analyze the composition of water in drip trays or wastewater streams. If a foreign liquid enters the wastewater system due to a leak, the system detects it via a deviation in the sonic velocity in real time and triggers an alert.

- ∴ Continuous real-time monitoring of wastewater for foreign liquids
- ∴ Immediate alerts for fast response and leak containment
- ∴ Reliable, maintenance-free inline measurement – no lab analyses required
- ∴ Seamless integration into existing process control systems



## Applications

**Storage Tank Monitoring:** Detect leaks from primary tanks before hazardous substances enter the environment.

**Process Safety:** Identify leaks in pipelines and equipment early to prevent costly incidents.

**Regulatory Compliance:** Ensure adherence to environmental standards and avoid fines.

## Designed for industrial reliability

- ∴ The robust LiquiSonic® sensor is available in a variety of highly resistant materials, ensuring durability even in harsh environments with acids, corrosive liquids, and aggressive chemicals. The system contains no moving parts or gaskets, providing a long service life with minimal maintenance. Sensors can be installed directly in pipelines, drip trays, or wastewater channels for continuous monitoring.
- ∴ One controller – multiple measuring points: Monitor up to four locations simultaneously for maximum safety and efficiency.



## Want to learn more?

Contact us today for a tailored consultation on your specific leakage detection needs.



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