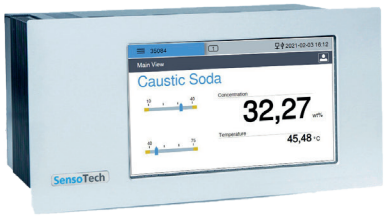
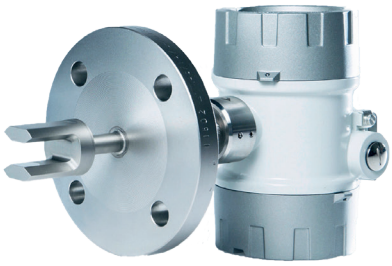
Incoming Good control

Automated control of received liquids





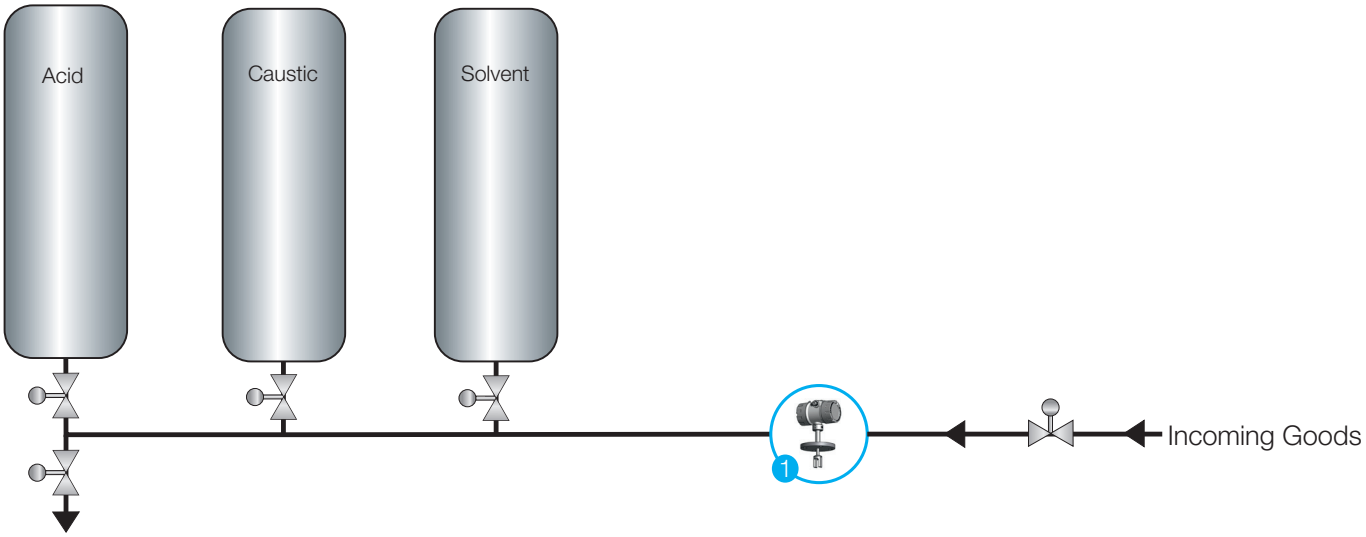
NaOH, H_2SO_4, HNO_3, HCl, NaOCl...

Plug & Play System

Automated Data storge

Fast response times

In chemical plants where the storage and synthesis of explosive chemicals is routine, careful handling is critical. The chemical industry faces significant risks if materials are not handled properly. A critical risk factor in this industry is the mishandling of chemicals, particularly when exothermic reactions are triggered by improper procedures, such as the accidental introduction of acids into caustic tanks. Ensuring accurate identification and control of these substances is critical to maintaining safety and regulatory compliance.
LiquiSonic® provides fast and highly accurate identification of incoming goods. Its automated data storage capabilities further enhance compliance with stringent quality control standards, ensuring both safety and efficiency in chemical processing environments.

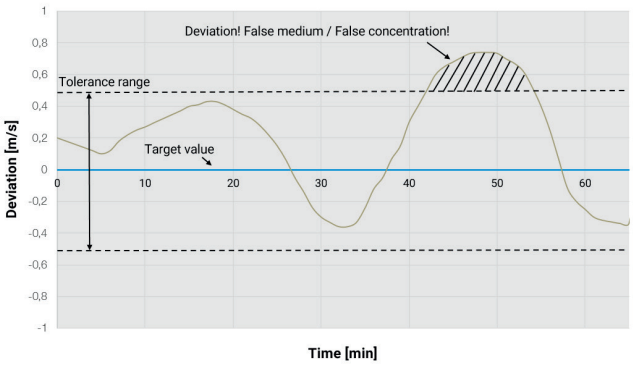


1 Monitoring of the Incoming Goods Concentration

Incoming Good control

Eliminate Dangerous Sampling and Skip the Lab with Inline Measurements

LiquiSonic® sonic velocity measurement in Incoming Goods



Customer value

The inline measuring with LiquiSonic® enables an exact analysis of raw materials by measuring the sonic velocity of incoming liquids. This ensures a stable product quality and increases the plant safety. A expensive and time-consuming analysis of samples in the lab is not necessary anymore.

The robust construction of the LiquiSonic® sensor without moving parts or gaskets guarantees a long-term reliable analysis and monitoring of incoming liquids. If required the medium contact materials can be made of special material like Hastelloy C2000 for example.
Other advantages for users are:

- Raw material analysis within seconds
- Monitoring of raw material delivery
- Also for explosion hazardous areas available
- No contaminations in raw material tanks because of incorrect filling
- Prevention of plant corrosion
- Increased plant safety and minimizing the error potential and the risk for the operators

Installation

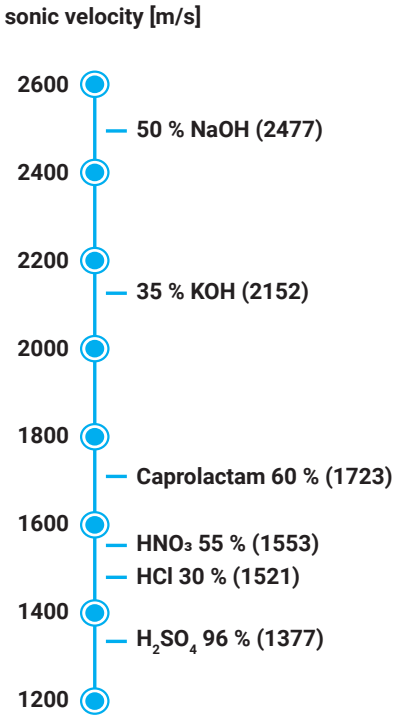
The LiquiSonic® immersion sensor can be installed directly on the pipe of the raw material delivery.
The place of installation has to be selected in a part of the pipe where the sensor is fully in contact with the measuring liquid. Recommended is the installation in a rising pipe or in the bottom of partially filled pipes. The tight sensor construction enables a long lifetime of the system.

The LiquiSonic® controller 30 can be connected to 4 sensors. So it is possible to monitor several measuring points at the same time.

Alternatively measurings of samples with the LiquiSonic® Lab System are possible within minutes.

Possible measuring range (depending on the liquid):

- Concentration range: 0 to 100 wt%
- Temperature range: -20 to 140 °C / -4 to 284 °F



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