

CLEANING

Measurement of cleaner concentration in industrial parts cleaning



SENSACTION

LiquidSens



The LiquidSens measurement system enables precise measurement and documentation of quality-relevant parameters directly within the process.



Modern manufacturing processes place high demands on surface cleaning. The quality depends significantly on the condition of the cleaning media – especially the correct dosing and concentration of the cleaning agents. Traditional titration methods are time-consuming and do not allow for rapid response to changes, which can

lead to rejects. A modern, cost-effective system for online concentration measurement – directly in the tank or in the pipeline – is therefore essential for efficient and sustainable cleaning processes.

Learn more about our products online:



SensAction performs online analysis within seconds.

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LiquidSens Advantages

- ✓ **LiquidSens saves working time compared to conventional titration**
Elaborate sample collection becomes unnecessary. This enables a time saving of approximately 180 hours per year.
- ✓ **LiquidSens measures online and in real time**
You can quickly intervene in the ongoing process and minimize rejects.
- ✓ **The LiquidSens measurement system is extremely robust**
and enables long-term stable measurements.
- ✓ **The LiquidSens multisensor has no moving parts**
and is therefore virtually maintenance-free.
- ✓ **Integrated temperature compensation**
ensures precise and consistent concentration measurement at varying temperatures.
- ✓ **Very high accuracy**
thanks to precise factory calibration of the LiquidSens measurement system.
- ✓ **Easy integration into process control**
via standard interfaces.
- ✓ **Integrated data storage**
for long-term documentation in accordance with quality assurance requirements.

An efficient and cost-saving measurement system

Measures the concentration(s) of liquids directly in the tank or pipeline.

Available as online or at-line measurements with LiquidSens Mobile.



The online version of the LiquidSens measurement system is designed for direct integration into equipment and offers an optimal solution for process monitoring through real-time measurement.

Multiple sensor variants allow adaptation to different installation scenarios. The SensAction app concept enables customization for various media.



The acoustic waveguide technology in a mobile measuring device.

With the same performance as the online version – tailored to the requirements of changing measurement tasks.

Test LiquidSens in your company



Überzeugen Sie sich selbst.

Erleben Sie, wie einfach und zuverlässig die Badüberwachung sein kann. LiquidSens Mobile wird Sie durch seine Benutzerfreundlichkeit und Präzision begeistern.

SensAction - a brand of the Endress+Hauser Flow Deutschland GmbH

Rosenauer Straße 27, 96450 Coburg, Germany · Phone +49 9561 976 23 0 · www.sensaction.de