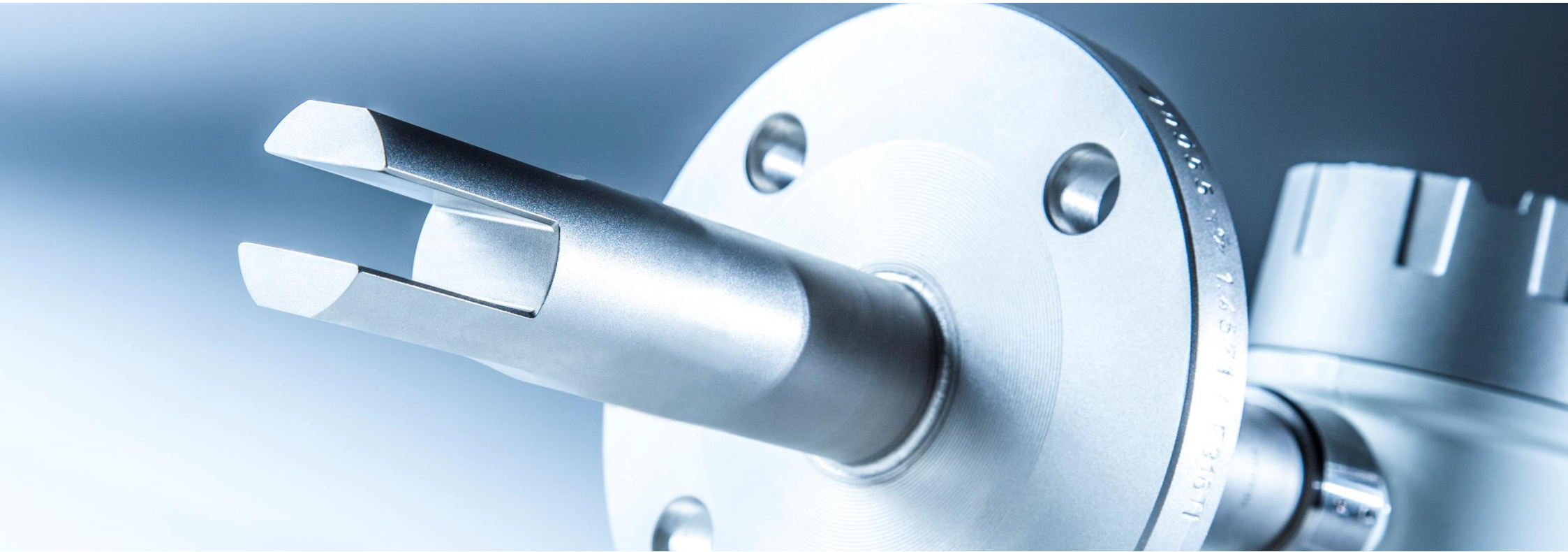


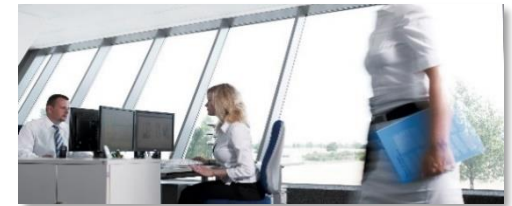


**Process analysis in liquids.
We are the application specialists.**

SensoTech GmbH - Who we are

Facts

- 30 years experience in inline analytical
- technology
- owner-managed and independent
- 40 employees
- headquarters in Magdeburg-Barleben, Germany
- Own sales organizations in China and USA
- international team of sales representatives
- worldwide customer relationships



SensoTech GmbH - References

Customers of different industries trust in us

 Know-How & Service		 The Chemical Company		 Prozesstechnik	 we know how
	 BRIGHT SCIENCE. BRIGHTER LIVING.		 degussa.	 the best of fruit	
		 Energizing Chemistry			
		 SMS group	 Human Chemistry, Human Solutions		

Basics of sonic velocity measurement

Measuring method

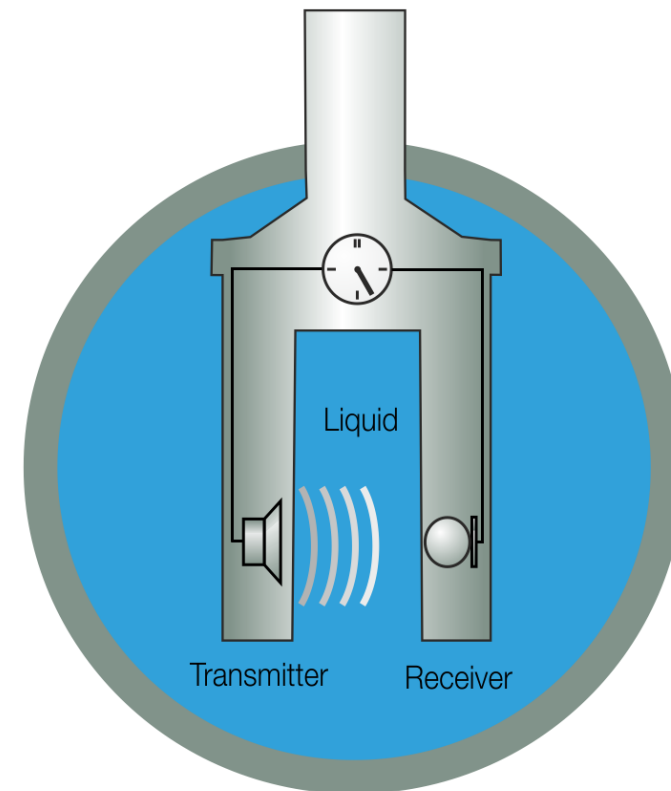
- measurement of the propagation velocity of ultrasonic waves in a liquid:

$$v = \frac{s}{t}$$

v: sonic velocity

s: distance

t: travel time



Products

Measure, analyze, monitor

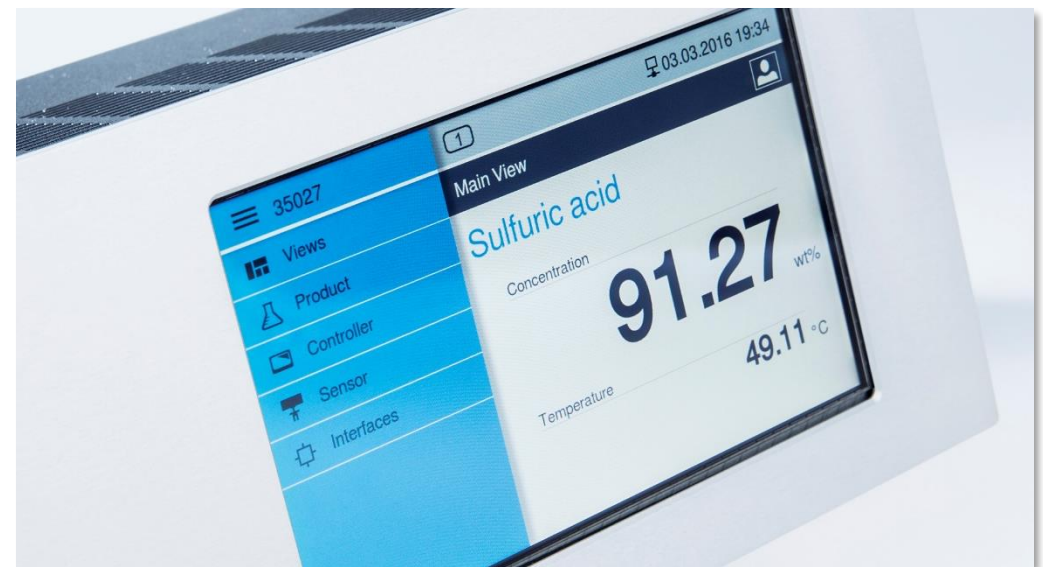
- inline measuring systems of "LiquiSonic®" for determination of the concentration in liquids
- industry-specific complete systems such as LiquiSonic® Plato, LiquiSonic® OCM or LiquiSonic® Lab
- custom-made systems
- wide range of accessories
- service and support



Products

LiquiSonic® controller

- management of measuring data
- connection of up to 4 sensors
- trend chart, limit value control, product switch
- password-supported user management
- varied interface options
- connection to higher-level systems possible



Products

LiquiSonic® sensors

- rugged sensors for a precise and fast density and concentration measurement
- absolute sonic velocity as a well-defined and retraceable physical value
- contact less measuring method independent of color, conductivity and transparency of the process liquid
- installation directly in main pipes or vessels
- material: stainless steel DIN 1.4571
- corrosion resistance by using special materials like tantalum, hastelloy, halar
- drift- and maintenance-free
- temperature range up to 180 °C or 200 °C
- use in explosion areas as well



Products

Support and training

- support and professional assistance in technical questions
- estimation of situation conditions and test measurements directly on site
- creating and evaluating product datasets
- inhouse installation, customer trainings and workshops
- worldwide support through international cooperations
- effective knowledge and qualification management of our international representatives



Processes

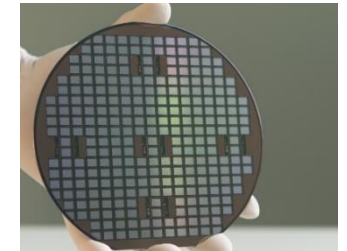
Improve quality, save resources

Process	LiquiSonic®
concentration and density measurement	measurement of the concentration and density of process liquids, emulsions and suspensions
phase interface detection	detection of phase interfaces in pipes and vessels
product receipt monitoring	identification and monitoring of the delivered products in loading stations and tank farms
neutralization	monitoring the neutralization of acid solutions and process waste water
gas scrubber	monitoring the scrubbing solution concentration at the point of maximum absorption
evaporation	monitoring concentration for energy-efficient process control
polymerization monitoring	full preparation and process monitoring with defined abort criterion
crystallization monitoring	monitoring the degree of supersaturation and the meta-stable range; repeatable detection of seeding point
bath monitoring	measurement of the bath concentration (e.g. cleaning agent, preservative, polymer) or the bath contamination degree

Industries

From the complex to the extraordinary

- chemistry
- petrochemistry
- pharmacy
- biotechnology
- brewery
- food and beverage
- sugar
- semiconductor and photovoltaics
- metal
- automotive
- pulp and paper
- mechanical and plant engineering



We are committed to quality in every way.





In liquids, we set the measure.

SensoTech GmbH
Germany

T +49 39203 514 100
info@sensotech.com
www.sensotech.com

SensoTech Inc.
USA

T +1 973 832 4575
sales-usa@sensotech.com
www.sensotech.com

SensoTech (Shanghai) Co., Ltd.
申铄科技(上海)有限公司

电话 +86 21 6485 5861
sales-china@sensotech.com
www.sensotechchina.com