EXTRACT MEASUREMENT

EXTRACT MONITOR SONATEC

Extract Measurement by Sound Velocity

The EXTRACT MONITOR SONATEC is a SONATEC variant for use in the brewery brewhouse. Typical measuring points are during lautering and wort boiling.



Sound Velocity
Extract determination is based on SONATEC acoustic measurement.

For the Brewhouse
Typical measuring points are during lautering and wort boiling.

Temperature Compensation
Temperature drift of the measurement signal is automatically compensated.

Measuring Principle

A piezoelectric element in the ultrasonic transmitter generates a sound pulse. It travels perpendicular to the product flow towards the ultrasonic receiver. Sound velocity is determined from the known distance and measured transit time.

Applications

Brewhouse | Lautering | Wort Boiling | Wort | Extract | °Plato | Sound Velocity | Quality Control

Temperature drift of the measurement signal is automatically compensated. European patent application: 1 439 438 B1.

Technical Data

The following data supports technical preselection and project coordination.

PARAMETER	EXTRACT MONITOR SONATEC
Measuring Range	0 - 30 °Plato
Accuracy	± 0,07 °Plato
Product Temperature During Measurement	60 to +103 °C
Response Time	≤ 1 s
Operating Pressure	max. 16 bar
Operating Temperature / Temperature Sensor	-25 to +125 °C / Pt1000
Material	1.4404 / 1.4435 / AISI 316L; Hastelloy; tantalum; others on request
Input	1 x analog (4 - 20 mA) & 6 x digital (24 VDC)
Output / Fieldbus	2 x analog (4 - 20 mA) & 3 x digital (24 VDC) optional: PROFIBUS DP & PROFINET
Enclosure Rating	IP65
Power Supply	24 VDC

Highly Accurate Extract Determination

Acoustic measurement in the brewing process.

Display at the Measuring Point

Depending on the version, the measured value can be read directly at the sensor.

Hygienic Design

Various materials and flange connections.

Design & Integration

We support you with the project-specific selection and integration of the **EXTRACT MONITOR SONATEC** - from measuring range and installation position to process connection and interfaces.

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