EXTRACT MEASUREMENT

EXTRACT MONITOR

Extract Measurement by Density or Sound Velocity

The EXTRACT MONITOR is a variant of RHOTEC or SONATEC and is used in the brewery brewhouse. Typical measuring points are during lautering and wort boiling.



For the Brewing Process
Highly accurate determination of extract in the brewhouse.

Density or Sound Velocity
RHOTEC or SONATEC measurement technology is used depending on the version.

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

Measuring Principle

The EXTRACT MONITOR uses either RHOTEC functionality for density measurement or SONATEC functionality for sound velocity measurement. Density measurement is based on the oscillating U-tube principle; sound velocity is determined using an ultrasonic transmitter and receiver.

Applications

Brewhouse | Lautering | Wort Boiling | Wort | Extract | °Plato | Process Monitoring | 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
Measuring Range	0 - 30 °Plato
Accuracy	± 0,03 °Plato (RHOTEC) ± 0,07 °Plato (SONATEC)
Product Temperature During Measurement	0 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
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

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** - from measuring range and installation position to process connection and interfaces.

Centec GmbH
+49 6181 1878-0
info@centec.de
centec.de