EXTRACT MEASUREMENT

EXTRACT MONITOR RHOTEC

Extract Measurement by Density

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



Density Measurement
Extract determination is based on RHOTEC density 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

For density measurement, the liquid flows through a thin U-shaped tube in the sensor. Electromagnets excite the tube to oscillate at its resonant frequency; an internal reference oscillator measures the oscillation behaviour.

Applications

Brewhouse | Lautering | Wort Boiling | Wort | Extract | °Plato | Density Measurement | 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 RHOTEC
Measuring Range	0 - 30 °Plato
Accuracy	± 0,03 °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

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

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