OECHSLE MEASUREMENT

OECHSLE MONITOR

In-line °Oechsle Measurement by Density or Sound Velocity

The OECHSLE MONITOR measures Oechsle during wine and cider production. Oechsle measurement takes place before fermentation; RHOTEC or SONATEC is used depending on the version.



Density or Sound Velocity
RHOTEC or SONATEC version to suit the measurement task.

Wine and Cider
Determination of the Oechsle value before fermentation.

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

Measuring Principle

RHOTEC determines density using an oscillating U-tube. SONATEC determines sound velocity from transit time and the known sensor spacing. Product-specific evaluation converts the measured value into °Oechsle.

Applications

Wine · Cider · °Oechsle · Density · Sound Velocity · 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	OECHSLE MONITOR
Measuring Principle	RHOTEC density or SONATEC sound velocity
Measuring Range	0 - 30 °Oechsle
Accuracy	± 0,03 °Oechsle (RHOTEC) ± 0,07 °Oechsle (SONATEC)
Product Temperature During Measurement	-3 to +25 °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 Oechsle Measurement
Determination during wine and cider production.

Before Fermentation
Measurement of the Oechsle value before fermentation starts.

Hygienic Design
Various materials and flange connections.

Design & Integration

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

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