

Fermentation Monitor QWX43

Measures continuously all parameters relevant for the fermentation process. For transparency in fermentation processes, for example in beer.



Benefícios:

- No on-site presence required
- Precise and repeatable measurements replace spindling and laboratory analysis
- Minute-by-minute update of the crucial process parameters, the results can be retrieved at any time and from anywhere
- Data-driven process improvements through comparison of values from past batches and automatic notifications
- Automatic creation, saving and downloading of batches and values
- Hygienic design enables tank-integrated cleaning

Campo de aplicação: The Fermentation Monitor QWX43 is installed directly in the tank. It measures density, temperature, and acoustic velocity and calculates all relevant fermentation parameters, such as degree of fermentation, residual extract, and alcohol content. The multi-sensor system provides precise and repeatable measurements in real time. Thanks to Endress+Hauser's Netilion app, users can track their fermentation processes via any internet enabled device.

[Click here to learn more.](#)

Características e especificações

Physical medium properties

Measuring principle

Medium consistency

Measuring method

Continuous measurement of density, viscosity, ultrasonic velocity, temperature and all fermentation parameters

Physical medium properties**Application**

Easy and convenient inline fermentation monitoring with a cloud-connected multiparameter device

Supply voltage

24 V DC

10...30 V DC

Measurement range

Measured values:

Viscosity: 0 to 1000 mPa s

Density: 0.3 to 2.0 g/cm³

Temperature: -5°C to 95°C (+23°F to +203°F)

Sound velocity: 800 to 2200 m/s

Calculated values:

Extract: up to 20° Plato

Alcohol: up to 15 % vol alcohol

Accuracy

Measured errors:

Viscosity: 0.02 mPas

Density: 0.0001 g/cm³

Temperature: 0.08 °C

Sound velocity: 0.23 m/s

Ambient temperature

-20°C...+60°C (-4°F...+140°F)

Process temperature

-10°C...+110°C

(-14°F...+230°F)

Process pressure

Vacuum...16 bar

(Vacuum...232,1 psi)

Physical medium properties

Output / communication

WLAN Webserver integrated
Digital ENDRESS + HAUSER Cloud Services

Connection

Tri-Clamp ISO2852, DIN11851
DRD, Varivent N

Ex certification

No Ex certificates

Additional certifications

EHEDG and 3-A conform constructed
EG1935/2004

Options

Tube extension
5 m cable
Plug connector M12

Mais informações www.br.endress.com/QWX43