Fermentation Monitor QWX43

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

More information and current pricing:
www.ch.endress.com/QWX43

Benefits:

- 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

Field of application: 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.

Features and specifications

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 mulitparameter 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

More information **www.ch.endress.com/QWX43**