

## Fermentation Monitor QWX43

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



### Výhody:

- 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

Více informací a současné ceny:

[www.cz.endress.com/QWX43](http://www.cz.endress.com/QWX43)

**Oblast použití:** 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.](#)

### Technické informace

**Fyzikální vlastnosti média****Měřicí princip**

Konzistence média / měření nánosu

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**Měřicí metoda**

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

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**Aplikace**

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

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**Napájecí napětí**

24 V DC

10...30 V DC

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**Rozsah měření**

Measured values:

Viscosity: 0 to 1000 mPa s

Density: 0.3 to 2.0 g/cm<sup>3</sup>

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

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**Přesnost**

Measured errors:

Viscosity: 0.02 mPas

Density: 0.0001 g/cm<sup>3</sup>

Temperature: 0.08 °C

Sound velocity: 0.23 m/s

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**Okolní teplota**

-20°C...+60°C (-4°F...+140°F)

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**Procesní teplota**

-10°C...+110°C

(-14°F...+230°F)

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## Fyzikální vlastnosti média

### Procesní tlak

Vacuum...16 bar  
(Vacuum...232,1 psi)

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### Výstup/komunikace

WLAN Webserver integrated  
Digital ENDRESS + HAUSER Cloud Services

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### Připojení

Tri-Clamp ISO2852, DIN11851  
DRD, Varivent N

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### Certifikace pro prostředí s nebezpečím výbuchu

No Ex certificates

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### Další certifikace

EHEDG and 3-A conform constructed  
EG1935/2004

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### Možnosti

Tube extension  
5 m cable  
Plug connector M12

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