

# Inline turbidity sensor OUSTF10

Turbidity and suspended solids measurement  
by light scattering and absorbance



More information and current pricing:

[www.th.endress.com/OUSTF10](http://www.th.endress.com/OUSTF10)

## Benefits:

- Accurate and highly sensitive purity monitoring for better product quality
- Low-maintenance sensor with long service life and stable operation
- Optional long pass NIR filter to minimize color related measurement errors
- Reliable detection of heat exchanger leaks
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- Approved for hazardous area use

## Specs at a glance

- **Measurement range** 0 to 200 FTU 0 to 200 ppm DE
- **Process temperature** 0 to 90 °C (32 to 194 °F) continuous Max. 130 °C (266 °F) for 2 hours
- **Process pressure** Max. 100 bar (1450 psi) (depending on flow through assembly)

**Field of application:** The OUSTF10 scattered light turbidity sensor is used for measurement of suspended solids, emulsions and immiscible fluids in process liquids. It provides you with all desired information from product purity to filter blocking. As a result, you gain more control over the quality of your products and processes. OUSTF10 is ready for all kinds of environments, such as very high temperatures, hazardous areas (ATEX, FM) and hygienic processes (CIP/SIP).

## Features and specifications

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## Concentration

**Measuring principle**

NIR absorbance

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**Application**

Turbidity and suspended solids measurement for filter control and quality measurement

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**Measurement range**

0 to 200 FTU

0 to 200 ppm DE

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**Material**

Sensor housing: 316L

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**Process temperature**

0 to 90 °C (32 to 194 °F) continuous

Max. 130 °C (266 °F) for 2 hours

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**Process pressure**

Max. 100 bar (1450 psi)

(depending on flow through assembly)

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**Ex certification**

ATEX II 2G Ex db IIC T5 Gb

FM Cl.1, Div. 1, Group B, C, D

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**Ingres protection**

IP 65 (NEMA 4)

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**Additional certifications**

FDA

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