

# Suspended solids and color sensor OUSAF12

## NIR/VIS absorption sensor for suspended solids and phase detection



### Benefits:

- Better product quality monitoring in pharmaceutical and chemical processes
- Cost savings and reduced product loss thanks to fast interphase detection
- Low-maintenance sensor with long service life and stable operation
- Color-independent measurement
- Easy and liquid-free verification
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- Approved for hazardous area use

### Specs at a glance

- **Measurement range** 0 to 2.5 AU 0 to 50 OD (depending on optical pathlength)
- **Process temperature** 0 to 90 °C (32 to 194 °F) continuous Max. 130 °C (266 °F) for 2 hours
- **Process pressure** Max. 100 bar abs (1450 psi) (depending on flow through assembly)

More information and current pricing:

[www.de.endress.com/OUSAF12](http://www.de.endress.com/OUSAF12)

**Field of application:** OUSAF12 is an optical sensor for the inline detection of suspended solids and product interphases in many industries. It supports you with reliable absorbance measurements to accurately control the quality of products and processes, and to improve production efficiency. OUSAF12 is ready for all kinds of environments, from hazardous areas (ATEX, FM) to hygienic processes (CIP/SIP).

### Features and specifications

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## Concentration

### Measuring principle

Colorimetry

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### Application

Color measurement, measurement of suspended solids, phase separation

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### Measurement range

0 to 2.5 AU

0 to 50 OD (depending on optical pathlength)

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### Material

Sensor housing: Stainless Steel 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 abs (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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More information [www.de.endress.com/OUSAF12](http://www.de.endress.com/OUSAF12)