

# Color sensor OUSAF22

## NIR/VIS absorption sensor for color and purity monitoring



### Benefits:

- Accurate color and purity monitoring for better product quality
- Fast and direct inline measurement avoids expensive sampling and laboratory measurements
- Values according to standard color scales (APHA/Hazen, etc.)
- Low-maintenance sensor with long service life and stable operation
- Outstanding filter performance provides highest linearity
- 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
- **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)

More information and current pricing:

[www.ch.endress.com/OUSAF22](http://www.ch.endress.com/OUSAF22)

**Field of application:** OUSAF22 is an optical sensor for precise inline color measurement in liquids in the visible region of the electromagnetic spectrum. It measures the slightest color changes, ensuring the highest quality standards of your products. Moreover, it provides you with fast values according to all standard color scales and avoids complicated and expensive sampling. OUSAF22 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 (APHA/Hazen, EBC, ASBC, ASTM, ICUMSA,...)

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**Measurement range**

0 to 2.5 AU

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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 (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**

IP65 (NEMA 4)

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