

# UV absorption sensor OUSAF46

Sensor for inline product quantification at two specific UV wavelengths



More information and current pricing:

[www.ca.endress.com/OUSAF46](http://www.ca.endress.com/OUSAF46)

## Benefits:

- Covers a wide measuring range thanks to the second UV wavelength
- Fast and reliable monitoring of product concentration for better process control and simplified quality control
- Precise measured values with full consistency to laboratory results
- Patented Easycal™ system option for easy, liquid-free online calibration traceable to NIST
- Outstanding filter performance provides highest linearity
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)

## 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 (1450 psi) absolute, depending on the material, pipe size and process connection of the flow assembly

**Field of application:** The OUSAF46 UV sensor monitors the concentration of your product at two discrete wavelengths. It covers a broad concentration range and supports you e.g. in optimizing chromatography control. Its outstanding filter performance ensures highest linearity and full consistency with lab results. This provides you with fast and reliable process information and increases your product yield. You also benefit from Easycal – the patented system for easy, liquid-free online calibration traceable to NIST.

## Features and specifications

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## Concentration

**Measuring principle**

UV absorbance

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**Application**

Measurement of protein concentrations, chromatography monitoring, filtration monitoring, concentration measurement of organic compounds, detection of aromates

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**Characteristic**

Sensor for installation in the pipe with separate flow assembly OUA260

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**Measurement range**

0 to 2.5 AU

0 to 50 OD (depending on optical pathlength)

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**Design**

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**Material**

Sensor housing: stainless steel 316

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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) absolute, depending on the material, pipe size and process connection of the flow assembly

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**Ex certification**

ATEX, FM

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**Ingres protection**

IP65 (NEMA4)

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**Additional certifications**

FDA

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