

UV absorption sensor OUSAF46

Sensor for inline product quantification at two specific UV wavelengths



More information and current pricing:

www.casc.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

Concentration

Measuring principle

UV absorbance

Application

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

Characteristic

Sensor for installation in the pipe with separate flow assembly OUA260

Measurement range

0 to 2.5 AU

0 to 50 OD (depending on optical pathlength)

Design

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Material

Sensor housing: stainless steel 316

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

Ex certification

ATEX, FM

Ingres protection

IP65 (NEMA4)

Additional certifications

FDA

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