

# UV absorption sensor OUSAF44

## Sensor for inline product quantification



More information and current pricing:

[www.ca.endress.com/OUSAF44](http://www.ca.endress.com/OUSAF44)

### Benefits:

- 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
- 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 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 OUSAF44 UV sensor monitors the concentration of your product in process liquids. Its outstanding filter performance ensures highest linearity and full consistency with lab results. This provides you with fast and reliable process information and increases the yield of your product. You also benefit from Easycal™ – the patented system for easy, liquid-free online calibration traceable to NIST. OUSAF44 is approved for hazardous areas (ATEX, FM) and suitable for hygienic processes (CIP/SIP).

### 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)

### 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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