

Glass-free absorption sensor OUSAF11

NIR/VIS absorption sensor for phase detection and suspended solids



More information and current pricing:

www.casc.endress.com/OUSAF11

Benefits:

- Highest safety for your products thanks to glass-free, hygienic design
- Cost savings and reduced product loss thanks to fast interphase detection
- Low-maintenance sensor with long service life and stable operation
- Flexible installation: Sensor features insertion (with Triclamp and Varivent connection) and immersion (with holder and assembly system Flexdip CYA112 and CYH112)
- Robust sensor resists aggressive chemicals and fouling
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- FDA and 3-A approval

Specs at a glance

- **Measurement range** 0 to 3 AU 0 to 6 OD (depending on optical path length)
- **Process temperature** 0 to 90 °C (32 to 194 °F) continuous Max. 130 °C (266 °F) for 2 hours
- **Process pressure** Max. 10 bar abs at 20 °C (Max. 150 psi at 68 °F)

Field of application: OUSAF11 is a glass-free sensor for the inline detection of changing phases and suspended solids. Insert it in pipes and vessels to minimize product losses and to ensure the purity of your products. You may also apply it as an immersion sensor in open tanks and basins for efficient effluent monitoring. Its glass-free, hygienic design guarantees the highest safety of your products. OUSAF11 withstands high operating temperatures and aggressive media, making it suitable for all industries.

Features and specifications

Concentration

Measuring principle

NIR absorbance

Application

Suspended solids measurement, product interface detection, milk detection, produkt loss detection

Characteristic

VIS/NIR absorption

Measurement range

0 to 3 AU

0 to 6 OD (depending on optical path length)

Design

Glassfree, hygienic sensor

Material

Sensor head: FEP

Sensor body: stainless steel 316L

O-Ring: EPDM

Process temperature

0 to 90 °C (32 to 194 °F) continuous

Max. 130 °C (266 °F) for 2 hours

Process pressure

Max. 10 bar abs at 20 °C

(Max. 150 psi at 68 °F)

Connection

Thread G1

NPT 1" thread

Tri-Clamp 2"/2.5"/3"

VARIVENT N DN40-125

Ingres protection

IP 67

IP 68 when mounted with CYH112

Concentration

Additional certifications

FDA, 3-A

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