

Color sensor OUSAF22

NIR/VIS absorption sensor for color and purity monitoring



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/OUSAF22

Lợi ích:

- 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

Tổng quan về thông số kỹ thuật

- **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)

Phạm vi ứng dụng: 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).

Tín năng và thông số kỹ thuật

Concentration

Measuring principle

Colorimetry

Application

Color measurement (APHA/Hazen, EBC, ASBC, ASTM, ICUMSA,...)

Measurement range

0 to 2.5 AU

Material

Sensor housing: Stainless Steel 316L

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)

Ex certification

ATEX II 2G Ex db IIC T5 Gb
FM Cl.1, Div. 1, Group B, C, D

Ingress protection

IP65 (NEMA 4)

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