

Cell growth and biomass sensor OUSBT66

Hygienic NIR absorption measurement in fermentation and crystallization applications



Mais informações e preço atual:

www.br.endress.com/OUSBT66

Benefícios:

- Real-time measurement for optimized processes and product yields
- Reliable, precise measured values with excellent laboratory correlation
- Easy verification and calibration with NIST-traceable clip-on filters - no need for complex liquid calibrations
- Hygienic stainless steel body and sapphire windows without seals or crevices
- Suitable for CIP/SIP and autoclaving
- Various path lengths and sensor lengths for perfect fit into every fermenter and bioreactor
- PG 13.5 thread for standard assemblies or head plate installations

Especificações resumidas

- **Measurement range** 0 to 4 AU 0 to 8 OD (depending on optical path length)
- **Process temperature** 0 to 90 °C (32 to 194 °F) Max. 135 °C for max. 2 hours
- **Process pressure** Max. 10 bar abs at 90 °C (Max. 150 psi at 194 °F)

Campo de aplicação: The OUSBT66 NIR absorption sensor monitors cell growth, biomass processes, algae systems and crystallization processes. It provides you with reliable, precise measured values in real-time to optimize your process and your product yield. The sensor's hygienic design is CIP/SIP resistant and allows autoclaving. Equipped with NIST-traceable and certified clip-on filters, OUSBT66 is outstandingly easy to calibrate and verify.

Características e especificações

Concentration

Measuring principle

Cell growth

Application

Cell growth and biomass in fermentation processes
Monitoring of algae concentration
Control of crystallization processes
Suspended solids measurement

Measurement range

0 to 4 AU
0 to 8 OD (depending on optical path length)

Design

Hygienic design:
Sterilizable and autoclaveable
Sapphire windows without seals and crevices
CIP/SIP resistant

Material

Sensor housing: Stainless Steel 1.4435 (316L)
Windows: Sapphire
O-ring: EPDM

Process temperature

0 to 90 °C (32 to 194 °F)
Max. 135 °C for max. 2 hours

Process pressure

Max. 10 bar abs at 90 °C
(Max. 150 psi at 194 °F)

Ingres protection

IP68

Mais informações www.br.endress.com/OUSBT66