

Model LAS



- **Low maintenance**
- **Extended calibration interval: Typical 12 month**
- **Measuring windows directly melted to the Steel**
- **No additional window gaskets required**
- **No overreaching components inside the flow cell**
- **Perfect hygienic design**
- **Cleaning in place (CIP)**
- **Build in calibration filters**
- **Process installation via TH- Varivent plates**

Description:

The sensor model LAS uses the principle of light absorption to detect dissolved or suspended particles in liquids. The transmitter model Messenger or CCAb is required to use this sensor. The system has been designed for continuous operation with long life time. The use of metal melted measurement windows without any additional gaskets guarantee for a perfect hygienic design. The installation by using TH-Varivent plates offers a cost saving process installation via standardized flow cells. The implemented calibration filters allow the calibration of the system without using liquid calibration standards. The absorption caused by turbidity will be detected at a wavelength of 850nm. Therefore the measurement results are not affected by product colour.

Applications:

- Product concentration
- Turbidity measurement
- Suspension
- Product separation

Operational areas:

- Breweries
- Beverages
- Dairies

Technical Data:

Line size:	DN 40 – DN 125 (TH- flow cells)	Measurement ranges:	typical 0–50EBC, 0–500EBC
Process pressure:	PN10 / ANSI class 150	Reproducibility:	± 1 %
Process temperature:	maximum 140°C	Detector:	Silica diode
Sensor material:	1.4404 / 316L	Measurement wavelength:	typical 830nm
Sight glass material:	Metaglas	Protection:	IP65 / NEMA4X
Gasket material:	No window gaskets required	Sterilization:	CIP