

# Turbidity Probe Model AP2



- 19 mm probe technology
- Measurement method: NIR- Absorbance
- Different measurement wavelength on request
- Low maintenance
- Extended calibration interval: Typical 12 month
- Sapphire measuring windows
- Hygienic design
- Cleaning in place (CIP)
- Process installation via TH- Varivent plates available
- Process installation via DIN / Ansi flange available
- Process insertion via ball valve with adapter available

## Description:

The probe model AP2 uses the principle of near infrared light absorption to detect turbidity in liquids. The basic version of the probe allows for process temperatures of max. 45°C. The optional high temperature version allows for 105°C permanent temperature. The transmitter model Messenger or CCAb is required to use the AP2 probe. The system has been designed for continuous operation with long life time. The 19mm probe design allows insertion to laboratory fermentation tanks. Different flanges, TH- Varivent adaption, Tri Clover adaption or ball valve installation are available to allow application specific insertion of the probe in nearly any process pipe.

## Applications:

- Product Separation
- Turbidity measurement
- TSS concentration measurement
- ....

## Operational areas:

- Breweries
- Beverages
- Dairies
- Bio technology
- Water / Waste water
- Chemical industry

## Technical Data:

Line size:	DN 25 / 1" up to ....	Measurement ranges:	typical 0–100EBC, 0–500EBC
Process pressure:	PN16 / ANSI class 300	Reproducibility:	± 1 %
Process temperature:	45°C (131°C short time CIP)	Measurement wavelength:	880nm (other on request)
Optional:	105°C permanent temperature	Protection:	IP65 / NEMA4X
Sensor material:	1.4404 / 316L	Hazardous Area:	ATEX, Zone 1 & Zone 2
Sight glass material:	Sapphire	Sterilization:	CIP (optional SIP)
Gasket material:	EPDM (other on request)		