

Model AS3



- Free of maintenance
- Extended calibration interval: Typical 24 month
- Process insertion through pipe adapter with ball valve
- Insertion/removal without process interruption (max. 5 bar)
- Optional available with DIN- or ANSI flanges
- Wide span of ranges
- Insensitive to colour
- Insensitive to coatings
- Self cleaning effect due to ultra sonic pulses
- No wearing parts

Description:

The ultrasonic probe model AS3, together with transmitter model AT3, has been specially designed to measure particle concentration in a variety of liquids. According to the application, calibration can be done in multiple ranges and measurement units like EBC, ppm, %, etc.. The measurement system has been designed for continuous operation with long life time. The probe design allows an installation into process pipes, tanks or open channels. Up to a process pressure of 5bar and non critical product, process insertion and removal of the probe can be easily done via a 1"ball valve. Calibration and maintenance ensues without process interruption. Other process connections like flanges, swagelok fittings, etc. are available on request.

Applications:

- Product concentration
- Filtration control
- Oil in condensate
- Oil in water / Water in oil

Operational areas:

- Chemical industry
- Petrochemical industry
- Pulp & Paper
- Power plants

Technical Data:

Line size:	< DN 50 / 2"	Measurement range:	0–10ppm, 0–30000ppm
Process pressure:	maximum PN 40 / ANSI class 300	Reproducibility:	± 1 %
Process temperature:	maximum 80°C / 110°C with air purge	Length of probe pipe:	approx. 300mm
Probe material:	1.4471 / 316SS (other material on request)	Weight:	approx. 3kg
Lens material:	Peek (other material on request)	Protection:	IP65 / NEMA 4X
Gasket material:	typical Kalrez	optional hazardous area:	ATEX Zone I / Zone II