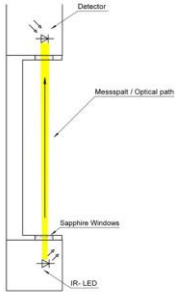


# Model ProScat12 (PS12)



- 12° scattered light turbidity measurement
- Low in Maintenance
- Probe 0,7m (Pipe installation via 2" Ball Valve)
- Alternative with DIN/EN- or ANSI Flanges
- Optical Path length 48mm
- Calibration interval typically 36 Month
- Material measuring Windows: Sapphire
- Compensation of light up to medium window coatings
- Compensation of Product Colours
- Cleanig Jets (optional)

## Description:

The turbidity probe Model ProScat12 uses the principle of 12° forward scattered light to detect suspended particles in liquids. The transmitter model C or C1 is required to use this sensor. The system has been designed for continuous operation with long life time. A ratio measurement of direct- / scatter light assures highly reliable and repeatable measurement results. Inaccuracies caused by product color, lamp ageing or window coating will be compensated. The forward scatter measuring results are nearly independent of particle size and will correlate to product concentration. Calibration can be done in multiple ranges and measurement units like EBC, ppm, mg/l, etc.

Optional cleaning jets will allow a cleaning of the sapphire windows in determined intervals. The installation of the sensor can be done in almost any pipe > DN125, whereby process connections and sealing materials are specified according to the application.

## Applications:

- Product Turbidity
- Sedimentation
- Flotation
- Oil in Water

## Einsatzgebiete:

- Chemical Industry
- Petrochemical Industry
- Pulp and Paper
- Power Stations

## Technical Data:

Line size:	>DN150	Measuring range:	typical 0 -5 -10 -500ppm
Process pressure:	PN16 / ANSI class 150	Reproducibility:	± 1 %
Process temperature:	maximum 60°C	Detector system:	Silicium diodes
Sensor material:	1.4471 (other on request)	Meas. wavelength:	typical 880nm
Window material:	Sapphire	Protection class:	IP65 / NEMA 4x
Gasket material:	Application specific		