

Turbidity Sensor Model TURBImat-A



- Low Maintenance
- NIR LED- Technology (860nm DIN / EN 27027 / ISO7027)
- Wide measuring Range
- Typical calibration Interval 12 Month
- PVC-U Flow Cell (d63 DN50) / PN16 / 50°C
- Access to Sapphire Windows via GF- Fittings
- Ultra fast Window cleaning
- Process connection via Solvent Cement jointing, Flanges or GF- Fittings

The sensor model TURBImat-A uses the principle of NIR- light absorption to detect dissolved or suspended particles in liquids. The transmitters model Messenger or CCAb are required to use this sensor. The system has been designed for continuous operation with long life time. Calibration can be done in multiple ranges and measurement units like FTU, ppm, etc.. The sensor detects the absorption of infra red light. Therefore the measurement results are not affected by product colour. Ranges of 0-50FTU up to 0-20000FTU are possible, due to the availability of multiple optical path lengths (2mm up to 60mm). The sapphire windows of the sensor are accessible via GF- fittings, this allows a very fast window cleaning if required.

Applications:

- Process water
- Potable water
- Product separation
- Centrifuge In- / Outlet
- Filtration control (break through)

Areas of Application:

- Chemical Industry
- Waste water treatment
- Food / Beverages Industry
- ...

Technische Daten:

Line size:	DN50 / d63	Measuring range:	typical 0-50 - ...20000FTU
Pressure rating:	PN 16	Optical path length:	2mm to 60mm*
Process temperature:	maximum 50°C	Reproducibility:	± 2 %
Sensor material:	PVC-U	Detector system:	Silica Pin diode
Window material:	Sapphire	Measuring wavelength:	860nm
Gasket material:	EPDM (other on request)	Protection class:	IP65 / NEMA 4X

*optical path length depending by specified range!