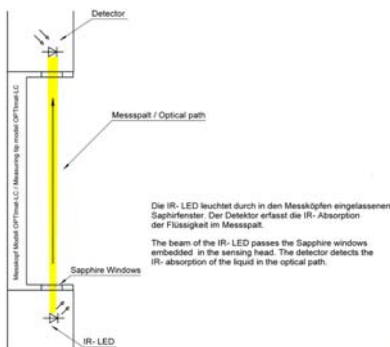


# Model TURBImat-LC (TBMLC)

TURBImat-LC



- Low maintenance
- 30cm immersion probe
- Pipe extension 0,5m for pipe insertion via ball valve
- Insertion/removal without process interruption
- Pipe extension up to 2m for installation in open channel
- Calibration interval: Typical 6 month
- Wide span of measurement ranges
- Sight glass material: Sapphire
- Sight glass cleaning via cleaning jets
- Optional available with DIN- or ANSI flanges

## Description:

The turbidity probe model TURBImat-LC 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 probe. The system has been designed for continuous operation with long life time. The probe design allows installation into large process pipes, tanks or open channels. Up to a process pressure of 3bar and non critical product, process insertion and removal of the probe can be easily done via a 2"ball valve. So calibration and maintenance ensues without process interruption. Other process connections like flanges, swivel clamps, etc. are available on request.

## Applications:

- Product concentration
- Sedimentation
- Flotation
- Oil in water / Water in oil

## Operational areas:

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

## Technical Data:

|                       |                                |                          |                       |
|-----------------------|--------------------------------|--------------------------|-----------------------|
| Line size:            | minimum diameter DN 200        | Measurement range:       | 0–100ppm, 0–2000ppm   |
| Process pressure:     | maximum PN 16 / ANSI class 150 | Reproducibility:         | ± 1 %                 |
| Process temperature:  | maximum 60°C                   | Detector:                | Silica diode          |
| Probe material:       | 1.4471 / 316SS                 | Measurement wavelength:  | typical 880nm         |
| Sight glass material: | Sapphire                       | Protection:              | IP65 / NEMA 4X        |
| Gasket material:      | Application specific           | optional hazardous area: | ATEX Zone I / Zone II |