

## Model TURBImat-HC (TBMHC)



- Immersion probe (extendable up to 3m)
- Low maintenance
- Extended calibration interval: Typical 6 month
- Multiple probe extensions available
- Immersion / or pipe installation via 2" insertion adapter
- Insertion / removal without process interruption
- Multiple optical path lengths available (max. 10 mm)
- Optional available with DIN- or ANSI flanges
- Optional 316 SS measurement head / sapphire windows
- Optional cleaning jets
- Wide span of range

### Description:

The turbidity probe model TURBImat-HC uses the principle of light absorption to detect dissolved or suspended particles in liquids. The basic probe is 230mm long and will be immersed into the measured product.

Extension tubes allow the installation to pipes as well as the immersion in tanks or open channels. Pipe installation is typically done by using a 2" ball valve or a mounting flange at the probe shaft.

The sensor requires the transmitter model C, C1 or CCAb and is suitable for the measuring of high concentrations in liquids. The calibration depends by application, measuring range and unit.

### Applications:

- Product concentration
- Sedimentation
- Flotation
- Sludge concentration

### Operational areas:

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

### Technical Data:

Line size:	minimum diameter DN 80	Immersion depth:	maximum 80m
Process pressure:	maximum 8Bar	Measurement range:	typical 0-6%
Process temperature:	maximum 60°C	Reproducibility:	± 1 %
Probe material:	1.4471 / 316SS	Detector:	Silica diode
Measurement head:	PVC (optional 1.4571 / Sapphire)	Measurement wavelength:	typical 880nm
Gasket material:	Application specific	Protection:	IP68
Cleaning:	Optional cleaning jets (air/water)		