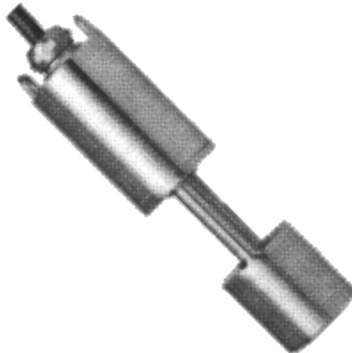


Model 22E-LC (CSS)



- **Low maintenance**
- **Calibration interval: Typical 3 month**
- **Wide span of measurement ranges**
- **Sight glass material: Sapphire**
- **Sight glass cleaning via cleaning jets**
- **Process insertion through pipe adapter with ball valve**
- **Insertion/removal without process interruption**
- **Optional available with DIN- or ANSI flanges**

Description:

The turbidity probe model 22E-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. Typically the installation will be done in basins, tanks or open channels. Two implemented cleaning jets will allow a cleaning of the sapphire windows in determined intervals. The probe is available with multiple optical path lengths from 10mm up to 150mm. Therefore it covers measurement ranges from 0-100ppm up to 0-30000ppm and allows a wide range of applications.

Applications:

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

Operational areas:

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

Technical Data:

Immersion depth: maximum 80m
 Process pressure: maximum 8Bar
 Process temperature: maximum 60°C
 Probe material: 1.4471 / 316SS
 Sight glass material: Sapphire
 Gasket material: Application specific

Measurement range: 0–100ppm, 0–2000ppm
 Reproducibility: ± 1 %
 Detector: Silica diode
 Measurement wavelength: typical 830nm
 Protection: IP68
 optional hazardous area: ATEX Zone I / Zone II