

TUP 200

Turbidity / Suspended Solids Probe



Precision turbidity probe IP68, measuring principle according to ISO 7027, with compensation of soiling.

Measuring method	90° scattered light
Measuring ranges	0~200 NTU, 0~1000 NTU
Accuracy	± 5 % of measured value
Response time	< 20 s
Operating pressure	0~1 bar
Sample temperature	2~40 °C
Plug	Open cable or SB plug
Housing	Stainless steel 1.4301
Dimensions	260 mm × 50 mm
Weight	1.6 kg

Product code 741 010

- Minimum maintenance
- Long lifetime
- Short response time
- Output in NTU or mg/l

Method

Turbidity is determined using the established 90° light scattering method. The probe contains two light detectors, one in the optical path, one in an angle of 90° outside of the optical path. Suspended particles in the optical path however can still cause scattering which directs light to the scattered light detector. Turbidity is then calculated from the ratio of transmitted light to scattered light.

ISO 7027

Applications

Drinking water
 Wastewater treatment plants
 Water monitoring
 Process water (electroplating)
 Fish farming