

**Turbidity:** turbidity shows the content of suspended substance in solution. Ordinary, clay, draff, organism and microorganism will cause the suspended substance. The test of turbidity uses spectrophotometer and light pass through lucid sample pool, according to search the degree of intensity of diffusion light to confirm the turbidity. Analysis system uses delivery type turbidity digital sensor, the port of digital sensor is 35°section, the diffusion light prober of inner photometer located on optical path of light source reflector offset of 90°. Output meter showed by NTU.with automatical cleaning function.

## Digital SS/Turbidity Sensor

Article-No. 486 76X0

### Applications

- process control  
(e.g. food and chemical Industry)
- water monitoring
- wastewater control



### Simple description

76X0 series digital sensor, in line with the ISO-7027 standard method. According to the "light in the suspended matter in the transmission attenuation and scattering attenuation and suspended solids concentration on" principle, can be real-time continuous monitoring of suspended matter concentration changes or turbidity changes and realize the automatic process control. To provide continuous, accurate measurement. Through the connecting wire can be directly PC data acquisition system without display.

Different sensor with 7200 or 8200 analyzer can be continuous on-line analysis of measurements of suspended solids and turbidity, measurement and display a variety of units (ppm, mg/L, %, NTU, FTU).

### Technische Daten

	Turbidity patterns	Suspension model
Measurement system	1~4000 NTU	0~200000mg/L(ppm)
Resolution	0.1 NTU ( Formazin )	1.0 mg/L ( SiO <sub>2</sub> )
Degree of accuracy	±1%Fs( to the calibration substance SIO2 prevail ) or the + 1% of the reading	
Response time	<10s	
Unit of measurement	NTU, °C	mg/L, ppm, °C
Measurement mode	90°/180°	90°/130°/180°
Water temperature	0~60°C	
Maximum pressure	<90 psi	
Maximum velocity	3.0m/S	
Impact factor	Avoid the glare of direct sunlight, no significant vibration and strong electromagnetic interference	
Optical window	Quartz glass	
Work light	Infrared light ( 880nm )	
Optical compensation	Yes	
Body material	Polycarbonate / stainless steel	
Cleaning mode	Silicon fluorine rubber brush, pressure water, compressed air ( when ordering specify)	
Cable length	1 m, 3 m, 5 m, 15m Available ( up to 500m )	