Fiber Optic Turbidity Sensor

Introduction

The sensor applies fiber technology to the turbidity sensor to make the sensor has better repeatability and stability, not susceptible to ambient light coordination. The sensor's automatic cleaning brush effectively eliminates air bubbles and reduces the effects of contamination on the measurement. Long-term online use, longer maintenance intervals and better stability.

Feature

- Digital sensor, RS-485 output, support MODBUS
- With automatic cleaning brush, prevent pollution, eliminate air bubbles
- Strong anti-interference ability, no ambient light and chromaticity
- 90° scattered light principle, better fiber technology repeat-ability.

Technical Specifications

Item	Fiber turbidity sensor	Self-cleaning turbidity sensor
Picture		
Model	20101892	20101900
Principle	90° scattered light	
Measuring Range	0-1000NTU	
Resolution	0.1NTU	
Accuracy	<5% or 0.3NTU(which is bigger)	
Protection Rate	IP68	
Deepest Depth	Underwater 60 meters	Underwater 10 meters
Temperature Range	0 ~ 50℃	
Output	Support RS-485, MODBUS protocol	
Power Supply	DC 5~12V, current <50mA	DC 5~12V, current <50mA (when not clean)
Installation	Input type	Input type
Size	Φ22mm*120mm	Φ33mm*156mm
Probe Cable Length	10 m, 5 m, 15 m and 30 m cable customizable	
Self-Cleaning System	No	Yes
Optical Window	optical fiber	