

Turbidity Sensor

innoSens 825T

The innoSens 825T turbidity sensor is based on the principle of 90° infrared light scattering and conforms to EN ISO 7027. When the infra-red light from the light source is transmitted through the sample to be measured, it is scattered and its intensity is proportional to the turbidity level. The turbidity sensor is equipped with a scattered light receiver in the 90° direction and analyses the intensity of the scattered light to obtain a turbidity value.

Measuring parameters

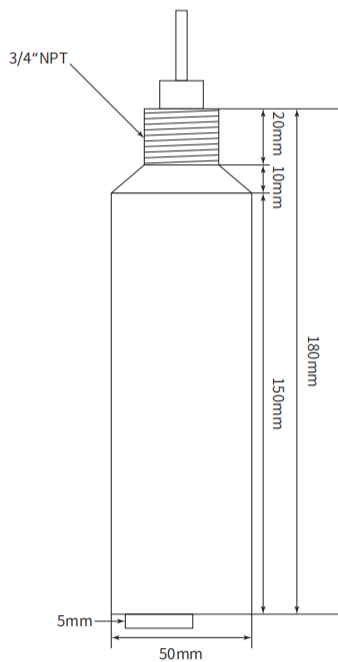
Turbidity, Suspended solids

Applications

Turbidity monitoring of water inlets and outlets, sedimentation tanks, etc.



Dimensional Drawing



Features

- Double-beam infrared light scattering technology, good stability and repeatability
- Optional self-cleaning scraper function reduces sensor maintenance significantly
- Standard RS485 Modbus RTU communication protocol
- Plug and play, easy to install

Technical parameters

Product type:	innoSens 825T
Measuring range:	0-4000NTU
Resolution:	00.01/0.1NTU
Accuracy:	< ±5% of measured value or ±0.5 NTU, Max.
Repeatability:	<±3%
Response time:	<30s
Supply power:	12~24VDC
Communication:	standard RS485 Modbus RTU protocol
Automatic cleaning:	scraping brush (optional)
Operating temperature:	0-45°C
Work pressure:	<0.3MPa
Protection class:	IP68
Mounting:	Submerged installation
Cable length:	10m as standard
Material:	POM+316L
Size:	φ50x180mm (Without scraper brush)
Weight:	Ca.0.8kg

Order Guide

Order No.	Description
36-0825-00	innoSens 825T, Turbidity sensor, RS485 Modbus RTU protocol
36-0825-10	innoSens 825T-A, Turbidity sensor (with self-cleaning scraping brush), RS485 Modbus RTU protocol