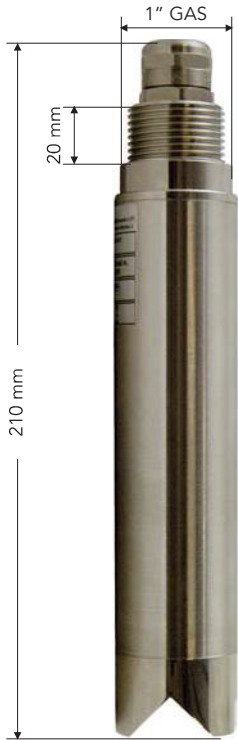


# PROBE FOR SUSPENDED SOLIDS



## General features

Turbidity is a decrease of water transparency due to the presence of suspended solid, t consist of very fine particles, unable to settle in a reasonably short time.



The particles in suspension determine an absorption of light radiation according to the number and size of the

Comparing the absorption of the test sample with values derived from a known calibration curve, it is possible to determine the turbidity value.

## Applications

Sludges from biological processes, chemical industry paper mills, food, extraction systems: quarries, tunnels, aggregate extraction

**Available versions** with PVC body, with 4÷20mA outputs

## Technical specifications

| Models                | <b>S461S</b> – for immersion                           | <b>S461S INS</b> – for insertion<br>(in combination with S305/INS) |
|-----------------------|--|--|
| Measuring range       | 0 ÷ 30 g/L   |  |
| Measuring method      | Absorption of light                                    |  |
| Precision             | ± 3% of the f.s.                                       |  |
| Repeatability         | 98 %   |  |
| Response time         | 5 sec. to reach the 90% of the value                   |  |
| Operating temperature | 0 ÷ 60°C   |  |
| Maximum pressure      | 4 bar  |  |
| Body material         | Black PVC and AISI 316                                 |  |
| O-ring                | Viton®   |  |
| Optics                | Special glass  |  |
| Mechanical protection | IP68 Sensor + cable                                    |  |
| Power supply          | 12 ÷ 24Vdc   |  |
| Power consumption     | max. 3W  |  |
| Cable                 | 10 mt integral with the sensor                         |  |
| Calibration           | by points  |  |
| Signal interface      | Modbus RTU Standard Protocol RS485 (4 ÷ 20mA optional) |  |

Controllers

Sensors

Analysers

Samplers

Flow

Level

Pressure

Web App

Remote control

Data logging

Accessories