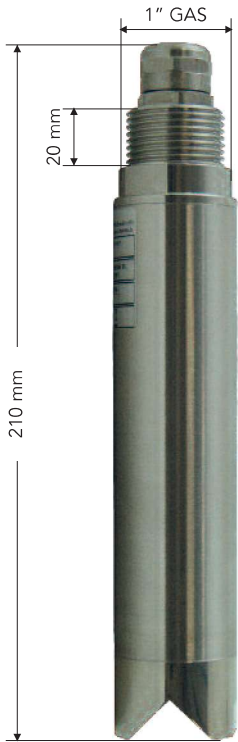


# PROBE FOR SUSPENDED SOLIDS



## General features **S461 S**

Turbidity is a decrease of water transparency due to the presence of suspended solid, it 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>S461 S</b> for immersion	<b>S461 S INS</b> for insertion (in combination with S305/INS)
Measuring range	0...30 g/l MLSS of WWTP - on request	0...100 g/l Kaolin reference
Measuring method	Absorption of light	
Accuracy	± 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 SS316	
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)	



**S305-INS** probeholder for insertion into the pipe

Controllers

Sensors

Analysers

Samplers

Flow

Level

Pressure

Web remote control

Data logging

Accessories