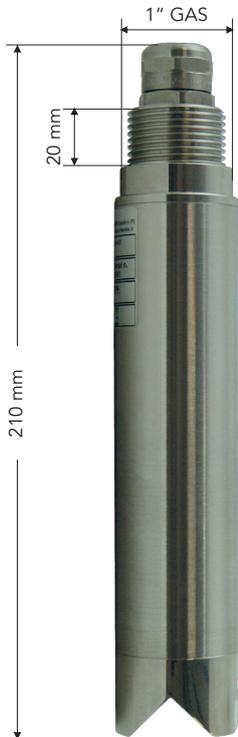


# PROBE FOR SUSPENDED SOLIDS



## General features S461 S

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 particles themselves.



## Applications

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

## Standard version

SS316 body with Modbus RTU RS485 interface

## On request

Only PVC body ;  
4...20 mA outputs

## 2 models available

**S461 S** for immersion

**S461 S INS** for insertion  
(in combination with S305-INS)

## Technical specifications

Measuring range	0...30 g/l MLSS of WWTP - on request 0...100 g/l Kaolin reference
Measuring method	Absorption of light
Resolution	0.1 g/l
Accuracy	± 0.3 g/l
Repeatability	± 0.5 g/l
Response time	T <sub>90</sub> < 60s
Operating temperature	0...50 °C
Maximum pressure	4 bar
Body material	SS316 (on request only Black PVC)
O-ring	Viton®
Optics	Special Epoxy
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



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

Controllers

Sensors

Analysers

Samplers

Flow

Level

Pressure

Web remote control

Acce