



SENSORS &
CONTROLLERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



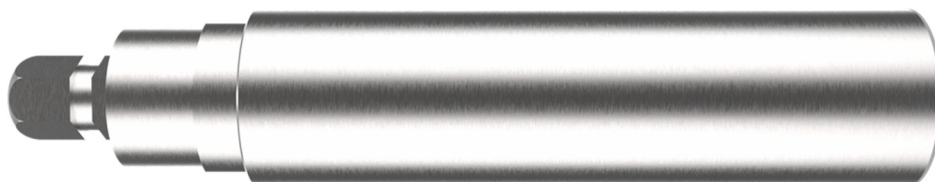
WEB APP &
DATA LOGGING



ACCESSORIES

S461 ST DATASHEET

INFRARED TURBIDITY & SS SENSOR



MAIN FEATURES

- Reliable concentration measurement using infrared measuring method
- 90° to 140° scattering method
- Stainless Steel sensor body
- No mechanically moving parts
- Measured value pre-processing in sensor resulting in low signal transmission sensitivity
- Immediate installation and easy maintenance

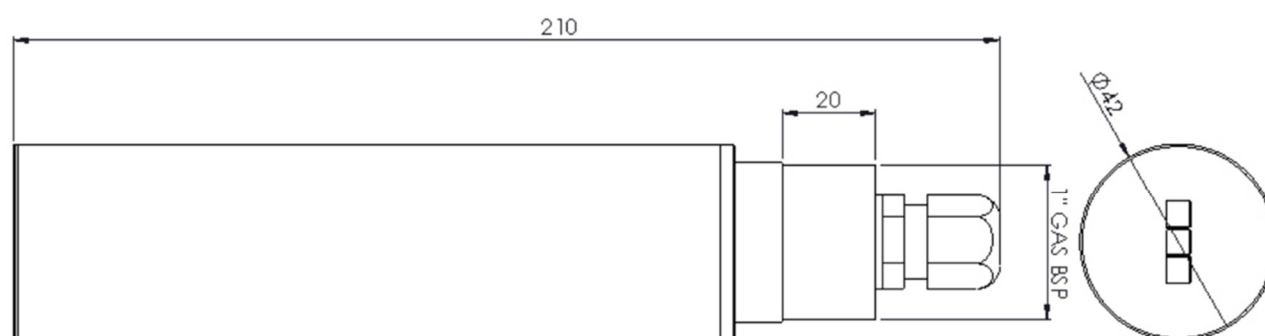
APPLICATIONS

- Measure of Suspended solids and turbidity in wastewater
- Measure of Suspended solids and turbidity in industrial water

TECHNICAL DATA

Materials	<ul style="list-style-type: none"> • Stainless Steel 1.4401 (316) body • Special glass windows • NBR O-ring
Thread	1" GAS
SS measuring ranges	0-500g/l depending on the sludge type
Turbidity measuring ranges	0-4000 NTU
Measuring method	Multi sensor scattering
Calibration method	By points with freely settable tables
Resolution of SS	0.5 g / l
Resolution of turbidity	± 1 NTU
Accuracy	± 5% on the measuring point
Repeatability of SS	± 0,5 g/L
Repeatability of turbidity	: ± 1 NTU
Response	T ₉₀ < 60s
Working temperature	0÷60 °C
Max working pressure	5 bar
Max absorption	3W
Mechanical protection	IP68 – cable included
Cable	10m integral
Power supply	12...24Vdc
Signal interface	RS485 (4-20mA optional)

DIMENSIONS



ORDER CODES

9701081063	S461ST Suspended solids and turbidity probe RS485 10m cable
9701082063	S461ST Turbidity and S.S. sensor Insertion Style RS485 10m cable
9701083063	S461ST/US Turbidity and S.S. sensor with ultrasonic cleaning