

SENSORS &
CONTROLLERSANALYZERS
& SAMPLERSLEVEL, FLOW
& PRESSUREWEB APP &
DATALOGGING

ACCESSORIES

S461 S DATASHEET

INFRARED SUSPENDED SOLIDS SENSOR



MAIN FEATURES

- Reliable concentration measurement using optical measuring process
- Infrared light pulsing beams scattering method
- Stainless Steel sensor body (PVC optional)
- No mechanically moving parts
- Measured value pre-processing in sensor resulting in low signal transmission sensitivity
- Immediate installation and easy maintenance

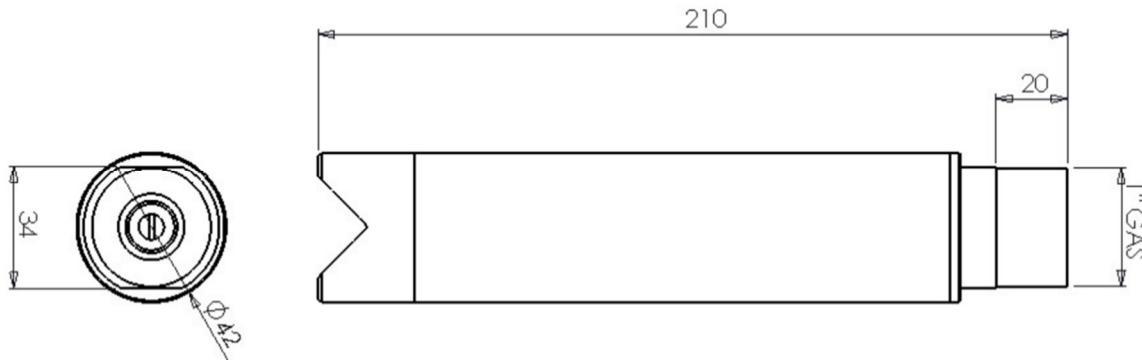
APPLICATIONS

- Measure of Suspended solids in wastewater
- Measure of Sludge and Staff concentration, industrial water

TECHNICAL DATA

Materials	• Stainless Steel 1.4401 (316) body (PVC optional) • Special Epoxy windows • Viton O-ring
Thread	1" GAS
Measuring ranges	0-30 g/l active sludge or 0-100g/l Kaolin
Measuring method	Light absorption
Calibration method	By steps
Resolution	0.1 g/l
Accuracy	± 0,3 g/l
Repeatability	± 0,5 g/L
Response	T90 < 60s
Working temperature	0÷40 °C
Max working pressure	4 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

9710620063	S461S Suspended Solids sensor. Immersion style 10m cable with socket
9720620063	S461S/INS Susp. Solids sensor Insertion style 10m cable+socket