



SENSORS &
CONTROLLERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



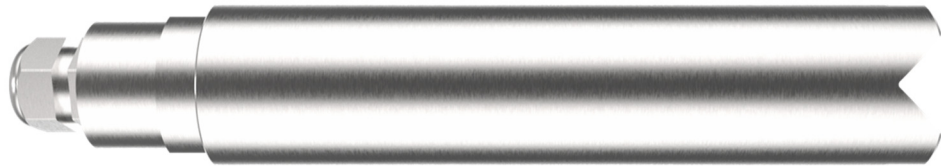
WEB APP &
DATA LOGGING



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

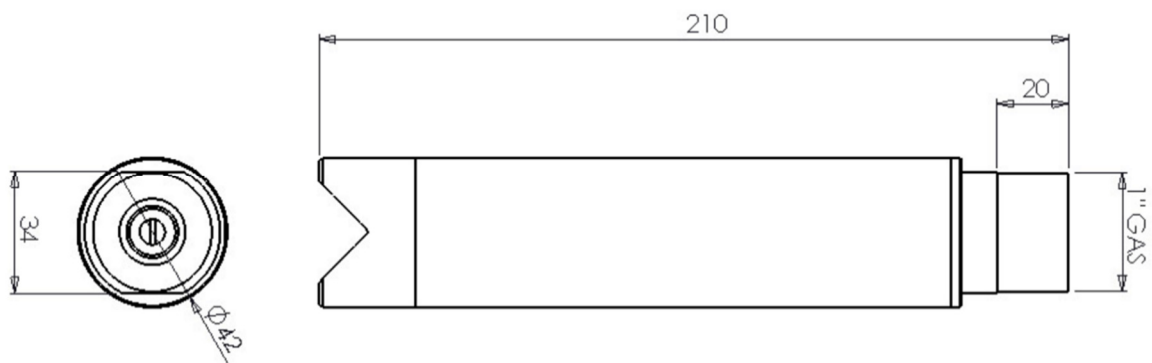
APPLICATIONS

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

TECHNICAL DATA

| | |
|-----------------------|---|
| Materials | <ul style="list-style-type: none"> • 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 | S46 IS Suspended Solids sensor. Immersion style 10m cable with socket |
| 9720620063 | S46 IS/INS Susp. Solids sensor Insertion style 10m cable+socket |