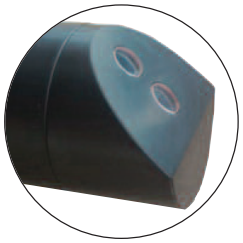
LOW RANGE TURBIDITY SENSOR

General features **S461 LT**

90° scattering light method for accurate measurement

Resolution 0,01NTU

ISO 7027 / EN 27027 Compliance



Applications

- Drinking water, process industrial water, Low turbidity waters
- Immersion or By-pass installation

Available versions

- PVC or SS body
- RS485 Modbus or 4…20 mA interface

Benefits

- Reliable concentration measurements by optical method
- Glass oleophobic coating
- Pulsed infrared scattered light technology
- No mechanically moving parts
- Digital reading
- Accuracy increased by sensor data processing

Technical specifications

Measuring range	0…10/ 100 NTU
Measuring method	90° Scattered light
Resolution	0,001…9,999 NTU (Range 0…10 NTU) 0,001…99,99 NTU (Range 0…100 NTU) (10,0 - 99,99 up 10 NTU)
Accuracy	±2% at the measuring point range 0…10 NTU (± 0,2 NTU) ±5% at the measuring point range 0…100 NTU (± 5 NTU)
Ripeatability	±0.05 NTU range 0 - 10 NTU ±0.5 NTU range 0 - 100 NTU
Response time	T_{90} < 60s
Operating temperature	0…50 °C (0…75 °C wth SS316 version - optional)
Maximum pressure	4 bar
Body material	Black PVC
O-ring	Viton® and Silicon
Optics	Special Glass with oleophobic treatment
Mechanical protection	IP68 Sensor + cable
Power supply	12…24Vdc
Power consumption	max. 3W
Cable	10 mt integral with the sensor
Calibration	1-point and/or 2-point for scale
Signal interface	Modbus RTU Standard Protocol RS485 (4…20mA optional)

S461-LT with Flow cell