



LOW RANGE TURBIDITY

S461LT

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...10NTU / 0...100NTU
Measuring method	90° Scattered light
Resolution	0,001...9,999 NTU (Range 0...10 NTU) 0,001...99,99 NTU (Range 0...100 NTU) (10,00-99,99 up 10 NTU)
Accuracy	±1% at the measuring point (Range 0...10 NTU) ±5% at the measuring point (Range 0...50 NTU) ±10% at the measuring point (Range 0...100 NTU)
Ripeatability	±0.05 NTU f.s. (Range 0...10 NTU) ±0.5 NTU f.s. (Range 0...100 NTU)
Response time	T ₉₀ < 60s
Operating temperature	0 ÷ 50°C
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	RS485 (4 ÷ 20mA optional)