

## Technical Specifications

<b>Measurement technology</b>	light source	2 LED (254 nm, 530 nm)	
	detector	Photo diode	
<b>Measurement principle</b>		Attenuation, transmission	
<b>Optical path</b>		1 mm, 2 mm, 5 mm, 10 mm, 50 mm	
<b>Parameter</b>		SAC <sub>254</sub> , CODEq, BODEq, TOCEq, UVT, Turb530	
<b>Measuring range</b>	1 mm path	5...1500 m <sup>-1</sup> SAC <sub>254</sub>	
	10 mm path	0,5...150 m <sup>-1</sup> SAC <sub>254</sub>	
<b>Detection limit</b>	1 mm path	5 m <sup>-1</sup> SAC <sub>254</sub>	
	10 mm path	0,5 m <sup>-1</sup> SAC <sub>254</sub>	
<b>Precision</b>	1 mm path	2,5 m <sup>-1</sup> SAC <sub>254</sub>	
	10 mm path	0,25 m <sup>-1</sup> SAC <sub>254</sub>	
<b>Turbidity compensation</b>		at 530 nm	
<b>Data logger</b>		~ 2 MB	
<b>T100 response time</b>		min. 4 s	
<b>Measurement interval</b>		min. 2 s	
<b>Housing material</b>		Stainless steel (1.4571/1.4404) or titanium (3.7035)	
<b>Dimensions (L x Ø)</b>		300 mm x 48 mm (with 10 mm path)	~ 11.8" x 1.9" (with 10 mm path)
<b>Weight</b>	stainless steel	~ 2.7 kg (with 10 mm path)	~ 6 lbs (with 10 mm path)
	titanium	~ 1.9 kg (with 10 mm path)	~ 4.2 lbs (with 10 mm path)
<b>Interface</b>	digital version	Ethernet (TCP/IP) RS-232 or RS-485 (Modbus RTU)	
	analog version	Ethernet (TCP/IP) 4...20 mA	
<b>Power consumption</b>		≤ 1 W	
<b>Power supply</b>		12...24 VDC (± 10 %)	
<b>Maintenance effort</b>		≤ 0.5 h/month (typical)	
<b>Calibration/maintenance interval</b>		24 months	
<b>System compatibility</b>		Modbus RTU or: Analog Out (4...20 mA)	
<b>Warranty</b>		1 year (EU: 2 years)	US: 2 years
<b>Max. pressure</b>	with SubConn	30 bar	~ 435 psig
	with fixed cable	3 bar	~ 43.5 psig
	in FlowCell	1 bar, 2...4 L/min	~ 14.5 psig, 0.5 to 1 gpm
<b>Protection type</b>		IP68	NEMA 6P
<b>Sample temperature</b>		+2...+40 °C	~ +36 °F to +104 °F
<b>Ambient temperature</b>		+2...+40 °C	~ +36 °F to +104 °F
<b>Storage temperature</b>		-20...+80 °C	~ -4 °F to +176 °F
<b>Inflow velocity</b>		0.1...10 m/s	~ 0.33 fps to 33 fps