

Technical Specifications

Measurement technology	light source	12 LED
	detector	High-end miniature spectrometer
		256 channels
		360 to 750 nm
		3.3 nm/pixel
Measurement principle		Absorption
Diameter		80 mm or 50 mm
Parameter		Absorption
Turbidity compensation		Yes
Data logger		2 GB
T100 response time		≤ 2 min.
Measurement interval		≥ 1 min.
Housing material		Stainless steel (1.4571/1.4404) or titanium (3.7035)
Dimensions (L x Ø)		450 mm x 135 mm (without hose connection)
Weight	stainless steel	~ 6.2 kg
	titanium	~ 5.5 kg
Interface	digital	Ethernet (TCP/IP)
		RS-232 or RS-485 (Modbus RTU)
Power consumption		≤ 4 W
Power supply		12...24 VDC (± 10 %)
Maintenance effort		Typically ≤ 0.5 h/month
Calibration/maintenance interval		24 months
System compatibility		Modbus RTU
Guarantee		1 year (EU: 2 years)
INSTALLATION		
Max. pressure	with SubConn	30 bar
	in cavity	1 bar more than ambient pressure, 2...4 L/min
Protection type		IP68
Sample temperature		+2...+40 °C
Ambient temperature		+2...+40 °C
Storage temperature		-20...+80 °C