

## ProSIA Specifications

<b>Analyzer</b>	
Type	Sequential Injection Analyzer
Enclosure material	Aluminum (powder-coated / anodized)
<b>Peristaltic Pump</b>	
Type	2-channel peristaltic, common pressure plate
Materials	Delrin, stainless steel
Tubing type	Bioprene
Flow rate	0.5-2.0 mL/min per channel (1.0 mm ID tubing) 2.0-8.0 mL/min per channel (2.0 mm ID tubing)
<b>Syringe Pumps</b>	
Type	XCalibur High-precision syringe pump
Wetted materials	Glass, Teflon®, PCTFE
Syringe sizes	50 µL, 100 µL, 250 µL, 500 µL, 1.0 mL, 2.5 mL, and 5.0 mL
Resolution	24,000 steps per full stroke
Speed	1.2 sec – 20 min per full stroke
Port type	Flat-bottom ¼-28
<b>Valve</b>	
Type	8-port multiposition selector valve. 6-port and 10-port also available. Optional Lab on Valve® manifold for 6- and 8-port valves.
Wetted materials	PPS, Valcon E2 (proprietary reinforced PTFE composite). In the case of Lab on Valve® manifold also Ultem® or Plexiglas.
Port type	Flat-bottom ¼-28
<b>Relay output</b>	
Voltage	24 V
Current	Max 4 mA
<b>Dimensions</b>	
Height	11.5 in (29 cm)
Width	7 in (18 cm)
Depth	9.5 in (24 cm)
Weight	16 lbs (7 kg)
<b>Communication</b>	
Type	USB
Output	1 Serial RS-485 port
Control options	SIAsoft software
<b>Power requirements</b>	
Voltage	24 V DC
Current	max 2.5 A