

ProSIA Specifications

Analyzer	
Type	Sequential Injection Analyzer
Enclosure material	Aluminum (powder-coated / anodized)
Peristaltic Pump	
Type	2-channel peristaltic, common pressure plate, low precision
Materials	Delrin, stainless steel
Tubing type	Elastic tubing with 1 mm wall thickness
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)
Syringe Pump	
Type	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
Valve	
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
Relay output	
Voltage	24 V
Current	max 4 mA
Dimensions	
Height	13.5 in (34 cm)
Width	7 in (18 cm)
Depth	11.5 in (29 cm)
Weight	17 lb (8 kg)
Communication	
Type	USB
Control options	SIAsoft– FIALab’s proprietary software
Power requirements	
Voltage	24 V DC
Current	max 2.5 A