

## MicroSIA Specifications

Analyzer	
Type	Sequential Injection Analyzer
Enclosure material	Aluminum (powder-coated / anodized)
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	5Vdc
Current	Max 1A
Voltage	24Vdc
Dimensions	
Height	7 in (18 cm)
Width	5.25 in (13 cm)
Depth	6 in (18 cm)
Weight	8 lb (3.5 kg)
Communication	
Type	USB
Control options	SIAsoft – FIALab's proprietary software
Power requirements	
Voltage	24 V DC
Current	max 2.5 A

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