

FIALab-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	3,000 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	7.125 in (18 cm)
Width	5.25 in (13.3cm)
Depth	6.875 in (17.5cm)
Weight	10 lb (4.5 kg)
Communication	
Type	Serial RS-232
Control options	FIALab for Windows software
Power requirements	
Voltage	24 V DC
Current	max 2.5 A

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