

## OmniSIA Specifications

<b>Analyzer</b>	
Type	Sequential Injection Analyzer
Enclosure material	Aluminum (powder-coated / anodized)
<b>Peristaltic Pump</b>	
Type	4-channel peristaltic, common pressure plate
Materials	Aluminum, stainless steel
Tubing type	2-stop elastic tubing
Flow rate	0.5-5.0 mL/min per channel (1.02 mm ID tubing) 0.3-2.8 mL/min per channel (0.76 mm ID tubing)
<b>Syringe Pump</b>	
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, 5.0 mL, 10 mL, and 25 mL
Resolution	48,000 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	11.5 in (29 cm)
Depth	9.5 in (24 cm)
Weight	20 lb (9 kg)
<b>Communication</b>	

Type	USB
Output	1 Serial RS-485 port
Control options	SIAsoft software
<b>Power requirements</b>	
Voltage	24 VDC
Current	max 3.75 A