

FIALab-3500 Specifications

Analyzer	
Type	Sequential Injection Analyzer
Enclosure material	Aluminum (powder-coated / anodized)
Peristaltic Pump	
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)
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, 5.0 mL, 10 mL, and 25 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	24 V
Current	Max 4mA
Dimensions	
Height	12 in (31 cm)
Width	11.5 in (29 cm)
Depth	10.5 in (26 cm)
Weight	24 lb (11 kg)
Communication	
Type	Serial RS-232
Output:	2 Serial RS-232 ports
Control options	FIALab for Windows software
Power requirements	
Voltage	24 Vdc
Current	max 3.75 A

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