



**Simplify™ Automated Sampling  
System  
Technical Specifications**

## Technical Specifications

Parameters	Samplify™ Automated Sampling Standard configuration	Samplify™ Automated Sampling Customizable configuration
Dimensions (WHL)	160 x 145 x 195 mm / 6.3 x 5.71 x 7.68 in	depends on configuration
Weight	2.3 kg / 5 lb	depends on configuration
Syringe Capacity	4000 µL low-pressure stainless	<ul style="list-style-type: none"> <li>• 4000 µL low-pressure stainless</li> <li>• 4000 µL low-pressure metal free</li> </ul>
Draw/refill rates	Up to 48,000 µL/min	depends on configuration
Pressure	Up to 250 psi	Up to 250 psi
Plate	48 vials	<ul style="list-style-type: none"> <li>• 48 vials</li> <li>• 96-well plate</li> </ul>
Needle	Vented (36mm)	<ul style="list-style-type: none"> <li>• Vented (36mm)</li> <li>• Short (36mm)</li> <li>• Capillary metal free (36mm)</li> </ul>
Volume Accuracy	1 µL	depends on configuration
Communication	The primary method of communication with the device is via a UART interface using an FTDI driver, as the device incorporates an FTDI chip.	The primary method of communication with the device is via a UART interface using an FTDI driver, as the device incorporates an FTDI chip.
Materials	in contact with liquid SS316, PTFE, PEEK	in contact with liquid SS316, PTFE, PEEK
Inlet/Outlet	Thread 10-32 UNF compression type	Thread 10-32 UNF compression type
<b>Samplify™ Probe</b>		
Dimensions (WHL)	Base 1 x 1 inch, Tube DIA ¼ inch. Immersion length up to 6 inch	
Connection	Optionable	

Materials	in contact with liquid SS316, PTFE, PEEK
Sample volume	From 5 to 500 $\mu$ L
Max. working environment pressure	120 psi (8 bar)
Max. working temperature	200 $^{\circ}$ C