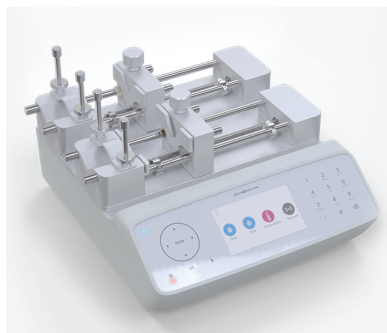


# Fusion 4000-X Data Sheet



The Fusion 4000-X is a two independently controlled precision syringe pump that allows two syringes to be set up to run simultaneously or independently.

## TECHNICAL SPECIFICATIONS

<b>Mode</b>	Infuse/Withdraw
<b>Accuracy</b>	$\pm < 0.35\%$
<b>Reproducibility</b>	$\pm < 0.05\%$
<b>Syringe Size (Min/Max)</b>	0.5 $\mu$ L to 100mL
<b>Syringe Type</b>	Plastic, Glass and Stainless Steel
<b>Syringe Flow Rates</b>	See Syringe Library for Min & Max Flow Rates on Website
<b>Minimum Flow Rate</b>	.0001 $\mu$ L/min (with 0.5 $\mu$ L syringe)
<b>Maximum Flow Rate</b>	170.5 mL/min (with 100mL syringe)
<b>Linear Force</b>	85lb (38.5kg)
<b>Maximum Pressure</b>	See Max Pressure on Website
<b>Display</b>	4.3 inch LCD Glass Touch Screen
<b>Connectivity</b>	USB-B, RS232, RS485 and TTL Ports
<b>System Dimensions</b>	11 x 12 x 4.9 inches (28 x 31 x 13 cm)
<b>Power</b>	110/220 VAC, 60W
<b>Weight</b>	19 lbs (8.6kg)
<b>Motor Drive</b>	1.8° Stepper Motor with Micro-stepping
<b>Step Resolution</b>	0.0293 $\mu$ m/step
<b>Operating Temperature</b>	4°C to 40°C (40°F to 104°F)
<b>Storage Temperature</b>	-10°C to 70°C (14°F to 158°F)
<b>Humidity</b>	20% to 80% RH, non-condensing
<b>Installation Category</b>	II
<b>Regulatory Compliance</b>	CE, RoHS, REACH, FCC