

# Fusion 100-X Data Sheet



The Fusion 100 X is a modular pump with a full glass touch color screen, a strong pushing force and automatically switches between 110V to 220V. A new accessory of 11-syringe rack can be added on to the pump.

## TECHNICAL SPECIFICATIONS

<b>Mode</b>	Infuse Only
<b>Accuracy</b>	$\pm < 0.35\%$
<b>Reproducibility</b>	$\pm < 0.05\%$
<b>Syringe Size (Min/Max)</b>	0.5 $\mu$ L to 60mL
<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>	0.0001 $\mu$ L/min (with 0.5 $\mu$ L syringe)
<b>Maximum Flow Rate</b>	157 mL/min (with 60mL syringe)
<b>Linear Force</b>	45lb (20.4kg)
<b>Multi Steps</b>	Program steps up to 99 step / loop steps up to 99 loop
<b>Display</b>	4.3 inch LCD Glass Touch Screen
<b>Connectivity</b>	USB-B, RS232 and TTL Ports
<b>System Dimensions</b>	9.5 x 8.0 x 4.9 inches (24 x 20 x 12 cm)
<b>Power</b>	110/220 VAC automatically switches between 110V to 220V 30 Watts
<b>Weight</b>	7lbs (3.1kg)
<b>Motor Drive</b>	1.8° Stepper Motor with Micro-stepping
<b>Step Resolution</b>	0.0528 $\mu$ 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>Modular Capability</b>	Option to add a 11 syringe rack
<b>Parameter Setting</b>	Option to choose time or rate
<b>Humidity</b>	20% to 80% RH, non-condensing
<b>Installation Category</b>	II
<b>Regulatory Compliance</b>	CE, RoHS, REACH, ETL