

# 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>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>	55lb (25kg)
<b>SYRINGE SIZE (MIN/MAX)</b>	0.5 $\mu$ L to 60 ml syringe
<b>STEP RESOLUTION</b>	0.098 $\mu$ m/step
<b>OPERATIONAL 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>ACCURACY</b>	$\pm$ <0.35%
<b>REPRODUCIBILITY</b>	$\pm$ <0.05%
<b>CONNECTIVITY</b>	USB-B, RS232 and TTL Ports
<b>POWER</b>	110/220 VAC automatically switches between 110V to 220V
<b>MULTI STEPS</b>	Program steps up to 99 step / loop steps up to 99 loop
<b>PARAMETER SETTING</b>	Option to choose time or rate
<b>MODULAR CAPABILITY</b>	Option to add a 11 syringe rack
<b>SCREEN SIZE / TYPE</b>	4.3 inch LCD glass touch screen
<b>DIMENSIONS</b>	9.5 x 8.0 x 4.9 inches (24 x 20.2 x 12.4 cm)
<b>MOTOR DRIVE</b>	1.8° Stepper Motor with Micro-stepping
<b>WEIGHT</b>	7 lbs (3.1kg)