

Pump 11 Elite Nanomite

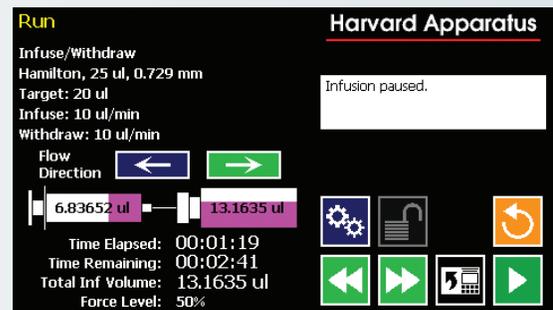


**Harvard Apparatus
Digital Stereotaxic Frame***

Pump 11 Elite Nanomite

The Pump 11 Elite Nanomite is a single syringe infusion/withdrawal programmable syringe pump. The Nanomite allows you to create, save and run simple to complex Methods without a PC. The flow rate range is 3.66 pl/min to 3.82 ml/min with 11 lbs of adjustable force, allowing complete flexibility for all of your laboratory applications.** This pump consists of a control unit, an injection unit, a 6 foot cable to connect the two units and a footswitch.

Harvard Apparatus stereotaxic frames (sold separately) combined with our Pump 11 Elite Nanomite offers precise positioning of the injection to give you the most accurate and repeatable results from your experiment.



Pump 11 Elite Nanomite Run Screen

KEY FEATURES

- Smooth, accurate flow
- Easy-to-use LCD color touch screen interface
- Light weight makes it ideal for hand-held or stereotaxic injection
- Easily program simple to complex Methods without a PC
- Accommodates Syringe Sizes 0.5 µl – 1 ml

APPLICATIONS

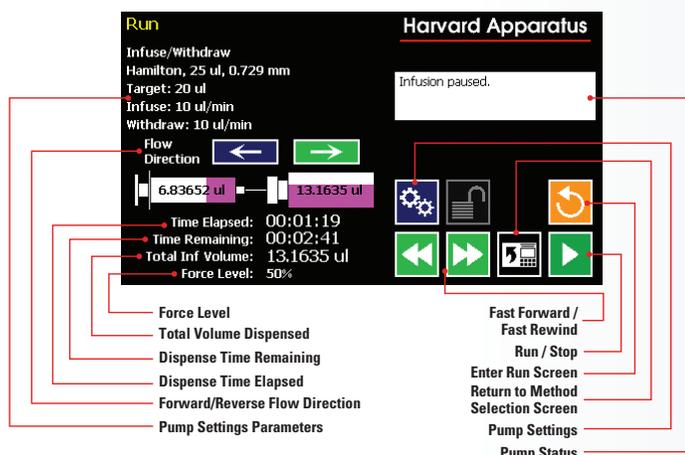
- Animal Infusion/Injection
- Neuroscience Research (microdialysis)
- Diabetes Studies
- Cellular Injection

**Please contact us for more information on our complete line of stereotaxic frames.*

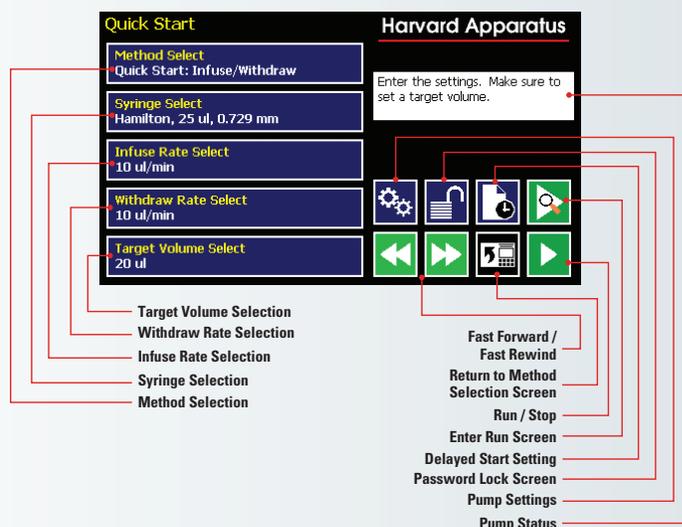
***The Pump 11 Elite Nanomite and Stereotaxic Frame are for research only. Not for use on humans.*

Harvard Apparatus Pump 11 Elite Nanomite

Nanomite Run Screen



Nanomite Quick Start Screen



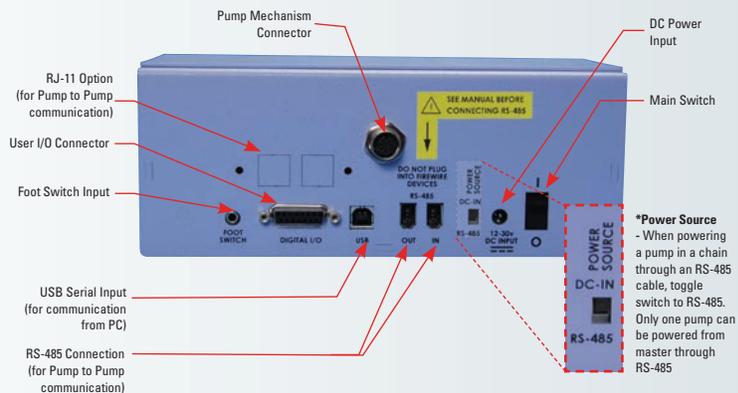
Specifications

Type	Microprocessor single syringe, infusion/withdrawal programmable
Accuracy	±0.5%
Syringes (Min./Max.)	0.5 µl to 1 ml
Flow Rate:	
Minimum	3.66 pl/min
Maximum	3.82 ml/min
Display	4.3" WQVGA TFT Color Display w/ Touchscreen
Connectors:	
RS-485	IEEE-1394, 6 position
USB	Type B
I/O & TTL	15-pin D-Sub Connector
Footswitch	Mini Phono Jack
Average Linear Force	5 kg (11 lbs) @ 100% force selection
Step Resolution	0.198 µm/µstep
Input Power	12-30 VDC
Input Power Connection	2.5 mm ID x 5.5 mm OD male plug
Power Supply	100-240 VAC, 50/60 Hz, 8 Watts Universal Power Supply, Use Only a Harvard Apparatus Approved Power Supply and Line Cord
Control Box (H x W x D)	22.6 x 17.78 x 9.32 cm (9 x 7 x 3.67 in)
Mechanism (H x W x D)	6.35 x 5.08 x 19.05 cm (2.5 x 2.0 x 7.5 in)
Weight	1.96 kg (4.32 lbs)
Regulatory Certifications	CE, EU RoHS

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Touch Screen Interface

The Pump 11 Elite Nanomite provides a simple touch screen interface setup to run your complex experiments. All key parameters are clearly displayed on the run screen. Easily program simple to complex Methods without a PC. The pump has the capability to store two multi-step Method programs.



Advanced Connectivity

The Pump 11 Elite Nanomite has a footswitch input, USB serial port for computer control, RS-485 ports for daisy chaining pumps and Digital I/O for external control via an independent computer or device. There is also an optional feature for daisy chaining pumps through the RS-232 (RJ-11) ports.

Ordering Information

Order #	Product
70-4507	Pump 11 Elite Nanomite Infusion/Withdrawal Programmable Single Syringe