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NE-500 OEM Application Syringe Pump



NE-500 does not come with a power supply. Please see OEM Starter Kit and OEM Net below

Model: NE-500
Price: US $495
Part ID: PUMP-NE500

- **Computer controllable:** networkable up to 100 pumps
- **Stand-alone operation:** pre-program the pump with a dispensing program, then operate the pump from an attached Foot Switch, button, or I/O controller
- Add the OEM Starter Kit to run as a fully functional, stand-alone pump

Description:

- Does not have a built-in user interface
- Chassis mountable: 9 1/2"L x 4 1/4"W x 4 1/8"H (23.5 x 10.8 x 10.5 cm)
- Operates from a 12V DC power source
- Holds 1 syringe up to 60 cc
- Infusion rates from 0.73 µL/hr (1 cc syringe) to 2100 ml/hr (60 cc syringe)
- Includes all the advanced functions and programming features of the NE-1000 family
- Download free pump terminal emulator
- Custom modifications to the mechanics and firmware are available



Open chassis design easily mounts into your system

Features:

- Built for Automation
- Operates from a computer
- Infusion and withdrawal
- Set a single pumping rate and/or dispensing volume
- Program up to 41 pumping phases that change pumping rates, set dispensing volumes, insert pauses, control and respond to external signals, sound the buzzer
- Network, control, and monitor up to 100 pumps with one computer
- Motor stall detection available in NE-501 model ($550)
- Dispensing accuracy of ± 1%
- Unlimited lifetime technical support
- Two year warranty

High pressure notes:

The NE-500 produces about 15 lbs of linear force at top speed and about 35 lbs at slow speeds. 10 ml/hr is an example of slow speed. The pressure that can be generated is relative to the syringe size. On a 60 ml syringe, this would roughly produce about 30 psi

The high pressure version, NE-510, will approximately double the pumping force at the same speeds.

Example Flow Rates (NE-500):

Syringe Size (cc)	Maximum Rate (mL/hr)	Minimum Rate (µL/hr)
0.5 µL	25.49	0.001
1	53.09	0.73
3	192.5	2.646
5	406.1	5.581
10	600	8.244
20	975.8	13.41
30	1282	17.63
60	2120	29.13

Sample syringe configurations, can hold any size syringes below 60 cc.

NE-510 High Pressure Variant (Motor Upgrade)

Model: NE-510
Price: US $535
Part ID: PUMP-NE510

Example Flow Rates (NE-510):

Syringe Size (cc)	Maximum Rate (mL/hr)	Minimum Rate (µL/hr)
0.5 µL	91.83	0.001
1 mL	191.2	1.459
3	693.4	5.291
5	1462	11.17
10	2160	16.49
20	3514	26.82
30	4619	35.25
60	7635	58.26

Do you need an upgrade for your Syringe Pump?

Model: FW-5-X

Extra Features: X upgrade is Linear/Gradient flow rate ramping, additional advanced programming possibilities, and additional i/o functions, expansion port, attach external switches, sub program selection structure, speed control switch

Model: FW-5-X2

Extra Features: X2 upgrade includes all features of the X model plus increases the number of programmable phases from 41 to 340, and increases the max RS-232 baud rate to 38,400

OEM Starter Kit



Description:

- Allows user to interactively communicate to the pump with a computer
- Includes: power supply, Pump-to-PC network cable (CBL-PC-PUMP-7), user manual

Part ID: OEM-STARTER Price: US $25

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