



FW-1-X2 FIRMWARE UPGRADE NE-1000 SERIES OF SYRINGE PUMPS

This User Manual is an addendum to the standard NE-1000 User Manual and supersedes it.

Pumping Program Phases

Maximum Program Phase: 340

Program Phase Parameter: Display and Entry

Any Program Phase number greater than 99 will be displayed as 2 dashes (--) in display messages that show only 2-digit Phase numbers: **aa :- -**

Pressing an arrow key below a dash, or the phase number displayed, will display 4 digits, indicating the phase number. Press the up-arrow keys to edit the phase number, limited to the maximum phase number.

Error Message Displays

Pumping rate 'Out of Range' error messages will be displayed as **□ □ □**, and general Pumping

Program errors messages will be displayed as **E r r**, alternating with its associated Pumping

Program Phase number. The Phase number will be displayed as: **nnnn**. Pressing any key will clear the error message.

RS-232 Serial Communications

Any serial communications command with an associated Pumping Program Phase parameter can specify the Phase number with up to 4 digits. Query responses with a Phase number will specify the Phase number as 4 digits.

Examples

Set the Pumping Program Phase to Phase 300, then set a Program Jump Function to Phase 100:

```
PHN 300  
FUN JMP 100
```

A query of the Program Phase and Function will respond with the following in the response packet data field:

```
0300  
JMP0100
```