

Programmable Controllers

MICREX-SX series SPH

Programming Support Tool Standard

Programming Support Tool

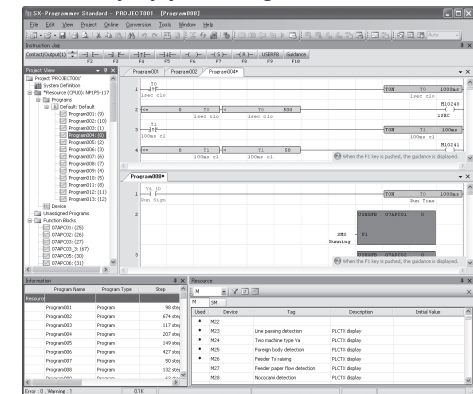
Programming Support Tool SX-Programmer Standard: NP4H-SWN

■ Features

• Familiar user interface

The user interface and ladder programming support SPB programming equivalent to a FLEX-PC Windows-compatible PC loader.

Support for full-keyboard operation is also handy for on-site debugging and maintenance. With a whopping 202 different instruction words, the possibilities for your programs are limited only by your imagination.



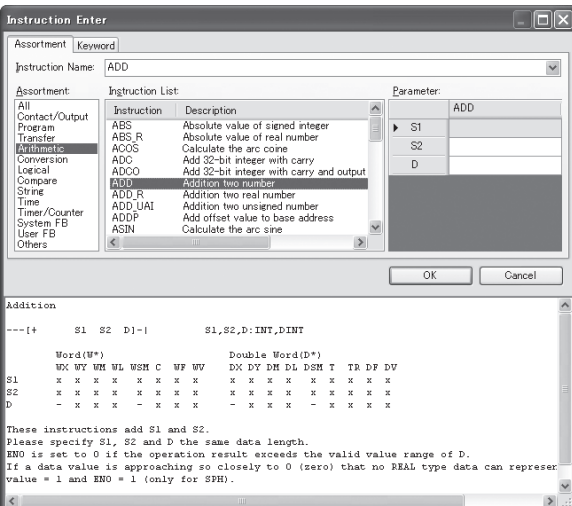
• Compatible with the international standard IEC 61131-3

Program representations support the LD language, which is most standard. The ST and FBD programming languages are also supported. Programming in units of POU in which the structured design method is applicable can be performed.

• Intuitive screen operation

The easy-to-see and understandable layout enables you to intuitively operate the screen.

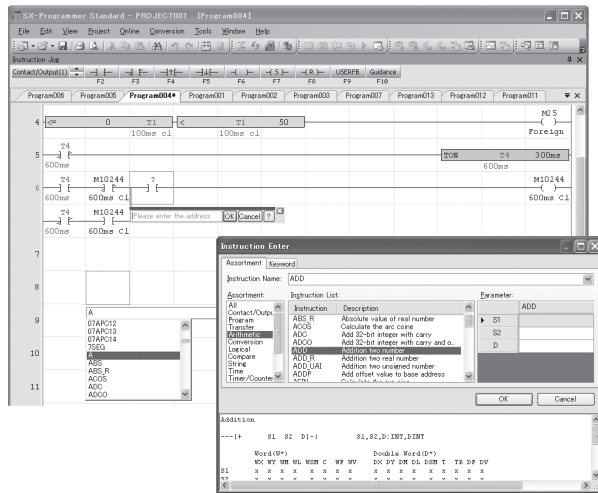
- Command word input is simplified by the command jog bar and the command word candidate narrow-down function based on a keyword search.
- Multiple sheet display and a flexible layout help improve operation efficiency.
- Input can be completed on a single screen because operands can be input in succession.
- Operation help corresponding to the screen displayed makes the manual no longer necessary.



• Supports a variety of input methods

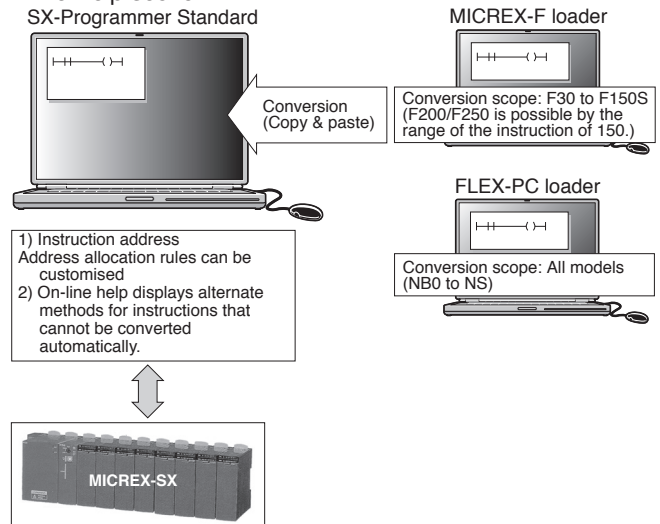
Standard supports three input methods, and you can select the optimum input method for the situation.

- Data can be input simply by operating the mouse wheel and clicking the mouse button. You can register any command words you desire.
- Even if you do not know a command word, you can easily narrow down command words through a keyword search.
- Candidates can be automatically displayed by mnemonic input mainly using the keyboard and the Intellisense function.



• Leverage your program assets

You can make good use of program assets for the MICREX-F and FLEX-PC series of our PLC. For circuits and commands not supported by Standard, alternative methods are described in the Help section.



• Resume feature

When the software is started, the previous edit/monitor position is automatically displayed. When you go on-line, monitoring starts at the position you were monitoring last time. When you are off-line, the system transitions to edit mode displaying the point you were editing last time.

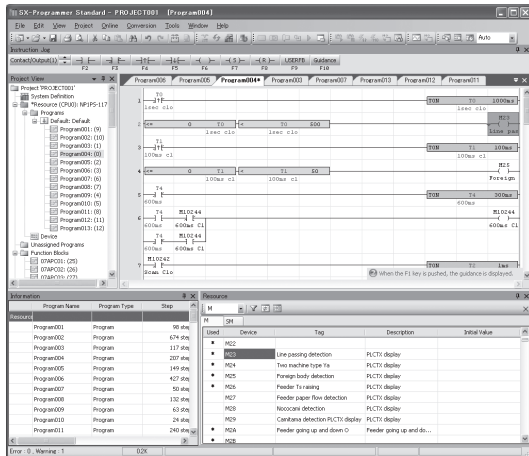
• CPU modules not supported

Standard is not compatible with the SPH300EX, and the SPH3000.

• Device Editor

Device information is displayed on a single screen, for example, in the form of a list of the operating states of devices, enabling you to save time in memory management.

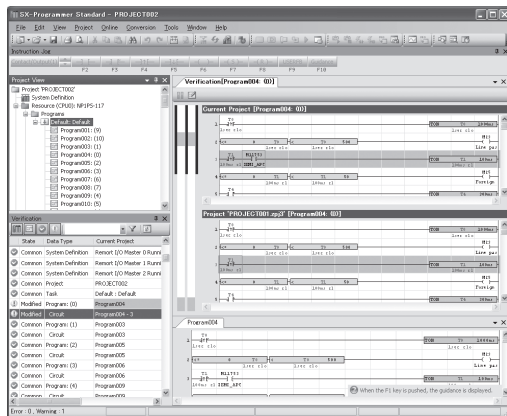
- Key operations are similar to those in Excel.
- All addresses can be displayed.
- The Device Editor not only displays the operating state of devices but also enables you to edit programs.



• Collation function

With the collation function, you can display the details of different points in programs and edit by referring to the collation results.

- You can quickly check different points with the aid of a filter display of collation results.
- You can edit a program while checking different points.
- With the Update button, programs can be promptly updated to the latest comparison results after editing.



• Data access to the user ROM

Projects can be downloaded from/uploaded to the user ROM card (compact flash card) supplied with SPH300 (NP1PS-□□R), SPH2000. Also, data can be written into/read from the user ROM card.

• Password function

By setting an access authentication password for on-line functions, operation of the PLC can be limited to three levels, i.e., level 1, level 2, and level 3.

■ Operating environment

Item	Specification	
Hardware	IBM-PC/AT compatible	
CPU	Intel Pentium 233MHz or higher (350MHz or higher recommended)	
Hard disk	Free space of 200M bytes or more	
CD-ROM unit	1 unit (x 4 speed or faster), media: ISO 9660 format	
Memory capacity	64M bytes or more (256M bytes or more recommended)	
Keyboard	101 keyboard	
Mouse	USB mouse, bus mouse, PS2 mouse	
Indicator	800 x 600-dots resolution or higher (1024 x 768-dots resolution or higher recommended)	
Communication interface	RS-232C	
	Ethernet	Possible
	ISDN	Possible (analog port is used)
	USB	Possible with V1.1 (Target CPU: NP1PS-□□R, SPH2000)
	P/PE-link	Possible
	SX bus	Possible
FL-net	Possible	
OS	Windows2000/XP/Vista	
Portability	Depends on commercial mobile personal computer.	
Environmental durability	Depends on environmental conditions of commercial personal computer.	

■ System configuration

For information on how to connect Standard with PLC, refer to “System configuration” in Expert.

