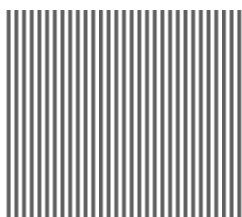


CHINO

Parameters Programming Software

PASS



INSTRUCTIONS

Thank you for your purchase of parameters programming software "PASS".
Please read this instruction manual without fail for using this software correctly and safely and also preventing troubles in advance.

Notice

1. No part of this manual can be reproduced in any form without permission.
2. For the contents of this manual, alteration is reserved without notice in the future.
3. This manual has been prepared by making assurance doubly sure about its contents.
However, if any question arises or if any error, an omission, or other deficiencies are found, please inform your nearest CHINO's sales agent of them.
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CHINO

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1.OUTLINE

This software must be installed into the hard disk of your computer just as you install other application software for Windows. This software cannot be started from a CD-ROM.



“System Requirement”, “Installation Procedure” and “How To Start” are explained below.

[System Requirements]

<Hardware>

CPU	Choose the minimum hardware requirements for hardware.
Memory	Choose the minimum hardware requirements for hardware.
Disk drive	CD-ROM drive : 1 drive or more (for installing PASS) Hard disk drive : 1 drive (at least 100MB of free space) or more
Communications port	*Connection with MODBUS instruments Either 1 port of the communication ports (COM1 to COM9) supported by Windows. *Connection with Ethernet instruments LAN port (10base-T/100base-TX) which Windows is supporting. *Connection with USB instruments USB port which Windows is supporting.

<Software>

OS

Windows XP / Windows Vista / Windows 7

※Internet Explorer 4.0 or above is necessary.

[Applied instruments]

By connecting the following instruments and a personal computer via a communications interface, Parameters are programmed and displayed on a computer screen.

- Graphic recorder BR series , KR series
- 180mm hybrid recorder AH300 series
- 100mm hybrid recorder AL3000 series
- Field scanner SE3000 series
- Digital indicating controller LT series ,DB1000/2000
- Digital program controller KP1000/2000/3000
- Single phase thyristor regulator JU series
- 3-phase thyristor regulator JW series
- Network logger KE3000 series
- 250mm hybrid recorder LE5000 series

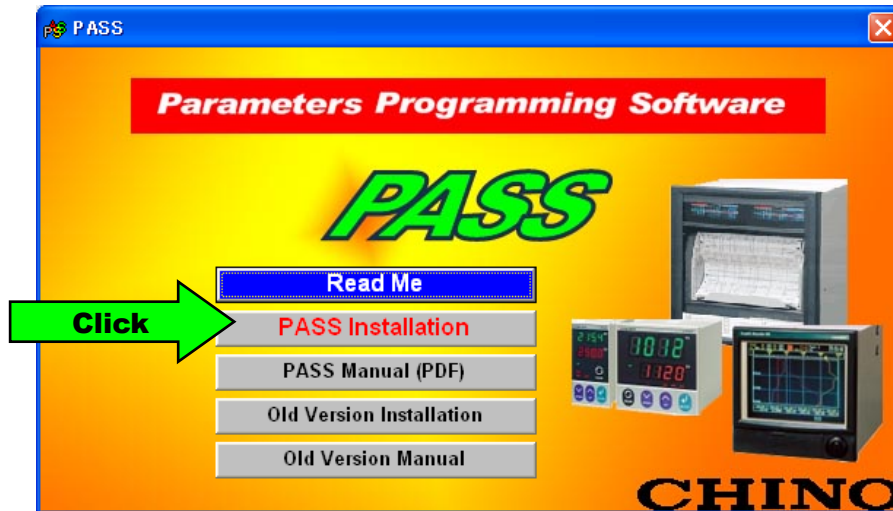
Caution:

Each instrument requires a communications interface (RS-232C,/RS-422A/RS-485, Ethernet or USB)

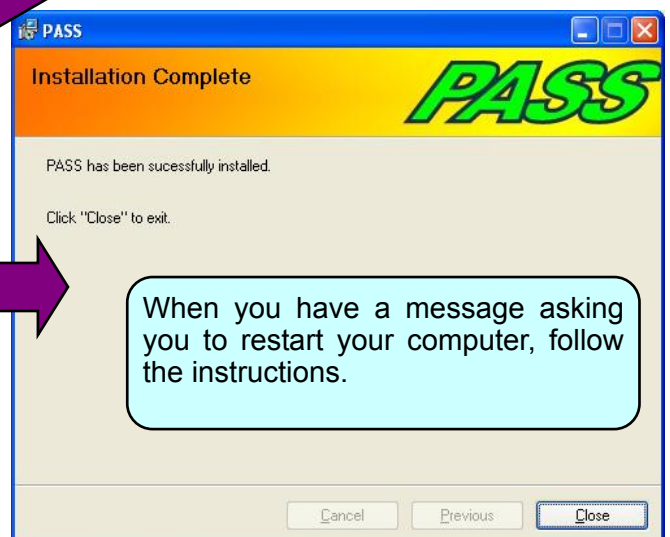
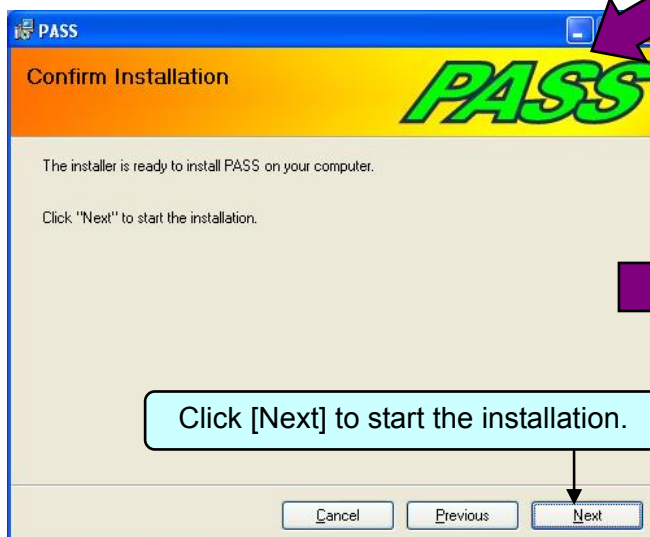
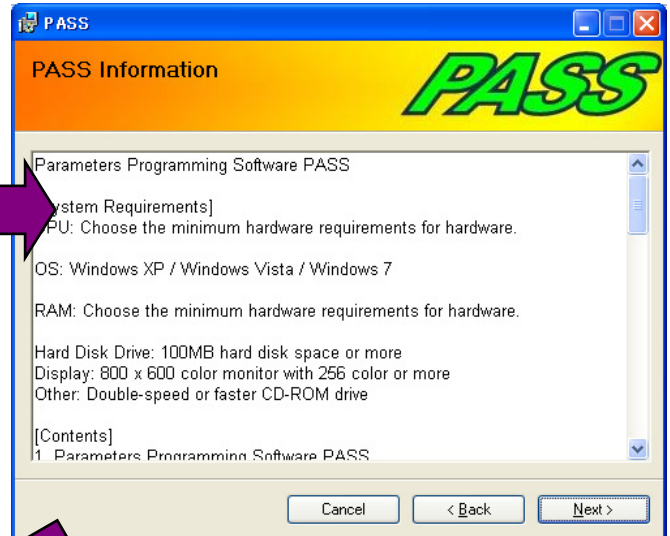
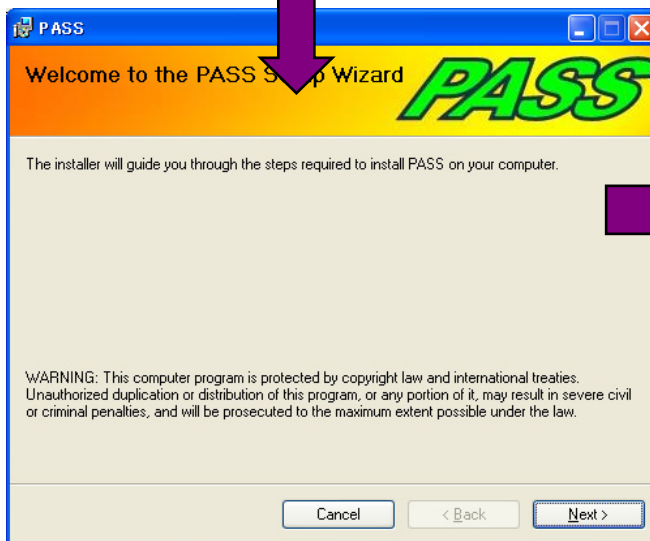
2.INSTALLATION AND UNINSTALLATION

2-1 Installing

By selecting [English] in the Menu window, the window shown below will appear.
Click [PASS Installation].

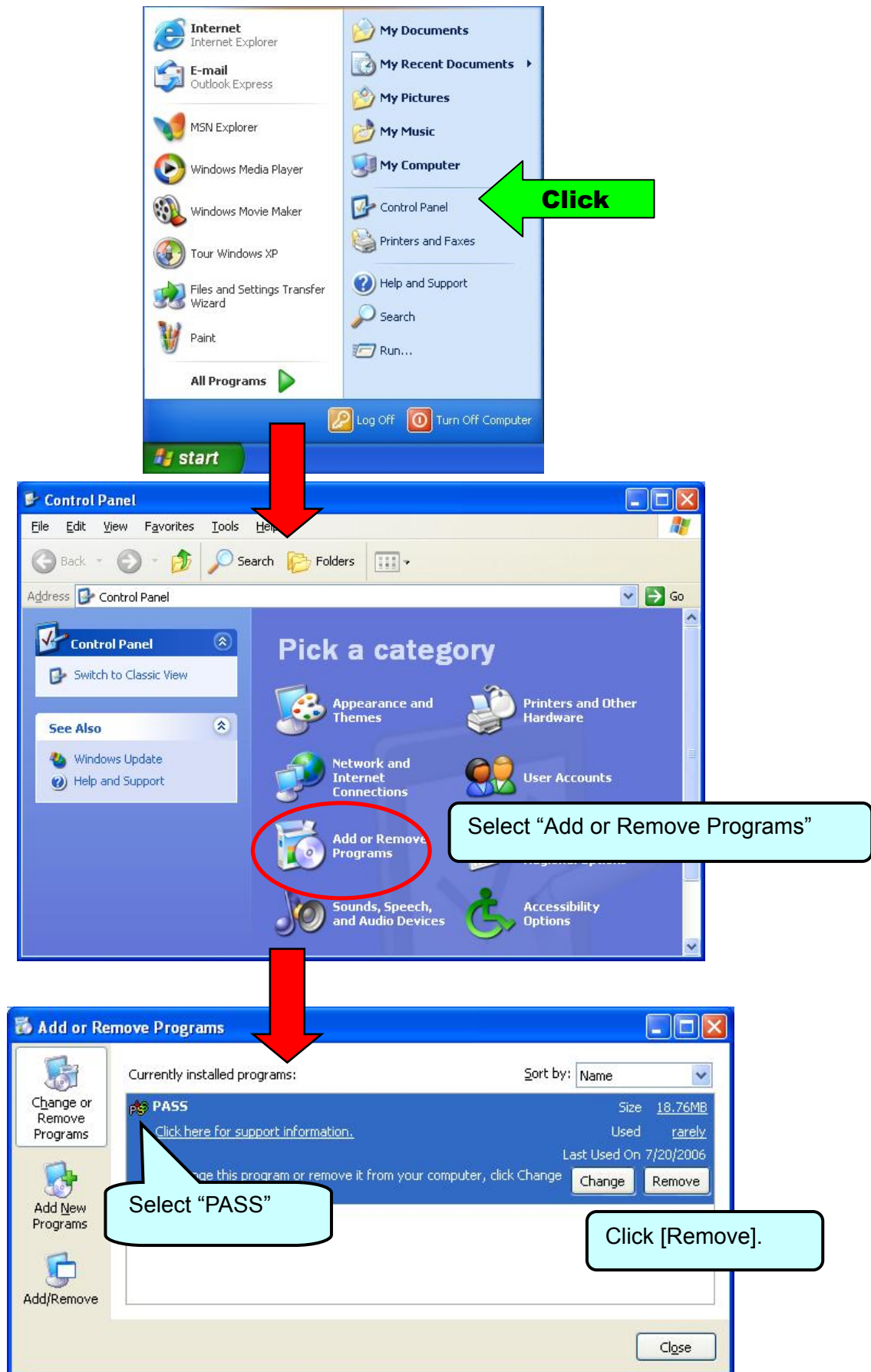


Follow the instructions in the windows shown below.



2-2 Uninstalling

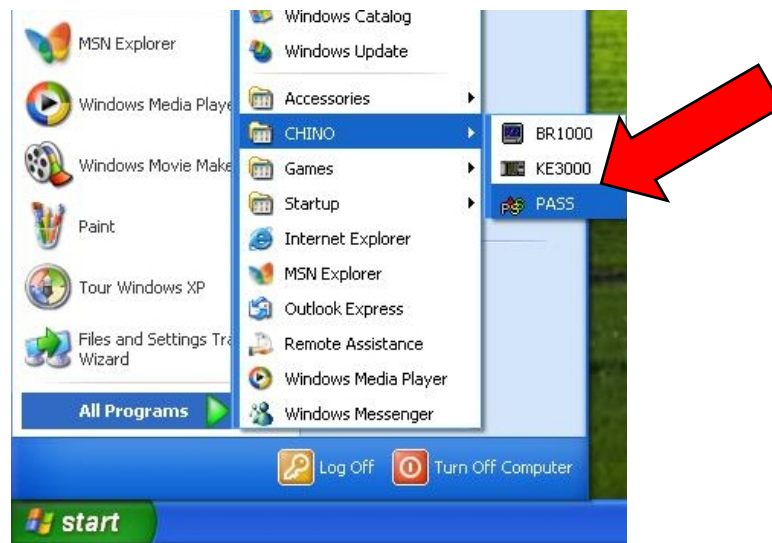
Click “Control Panel” from “All Programs” from “Start” of Windows task bar.



3.STARTING UP

3-1 How to start

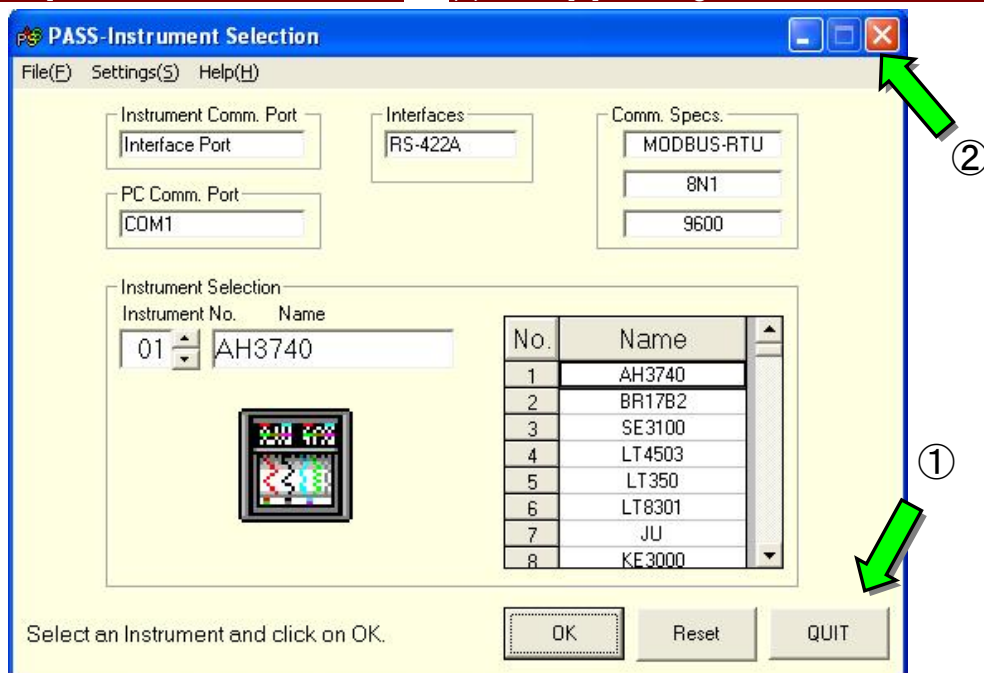
To start the program, click [Start] button, point to [All Programs], point to [CHINO], and then click [PASS].



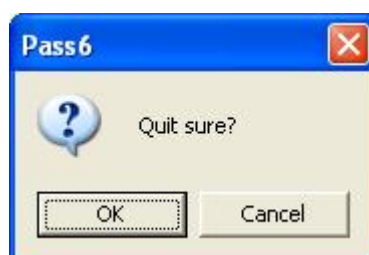
3-2 Exiting

To quit the PASS,

(1) click [QUIT] on the "Instrument Selection", or (2) click [X] in the right corner of the title bar.



In either case, a confirmation message to quit will appear. Click OK to quit PASS.



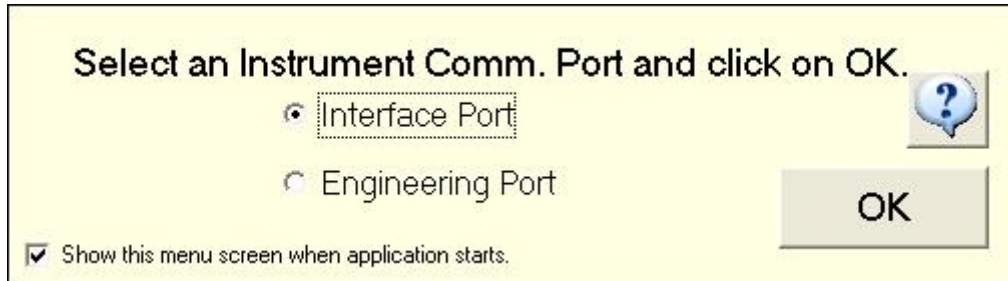
4.SCREEN OPERATION

4-1 Operation at starting up

When you start PASS, the “Communication parameter selection” dialog box will appear.

4-1-1 Communication parameter selection

The selection of two kinds of parameters is required in the “Communication parameter selection” dialog box.



(1) Communication Port on Instruments • • • Select the programming via the “Communication Interface for PC” or the “Engineering Port” on the instruments applied.

Caution

For the programming via the “Engineering Port”, an exclusive cable (type: RZ-EC1) is required.
Programming in the instruments is also required. Refer to the manuals of the communications interfaces of the instruments.

(2) Communication Port on PC

• MODBUS • • Select the port No, protocol, bit rate for the RS232C of your personal computer.

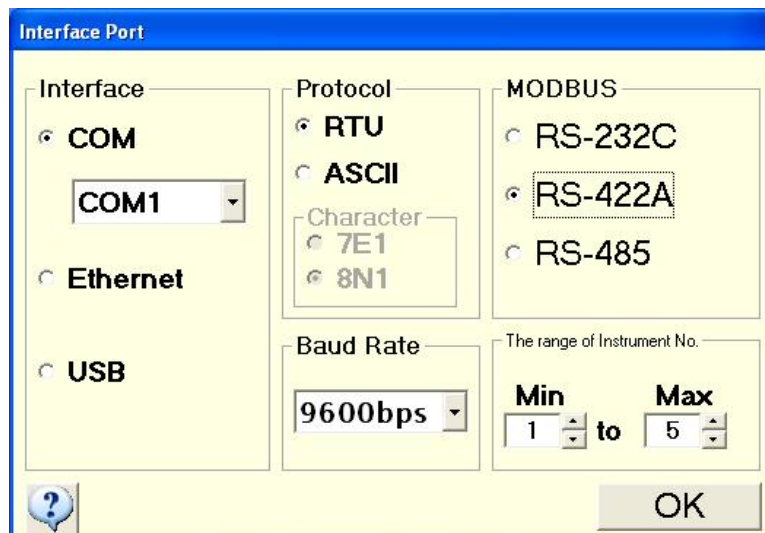
※Programming by PASS should be performed either in RTU mode or ASCII mode of the MODBUS protocol.

Caution

The programming by PASS cannot be performed with CHINO's “Private protocol”.
When KIDS, CHINO's data acquisition software, is being executed, the programming should be performed in RTU mode.
Programming for the instrument is also necessary by referring to the manual of the communications interfaces of the instrument.

• Ethernet • • • Select the IP address, port No.

• USB • • • Select the address.



4-2 Instrument Selection

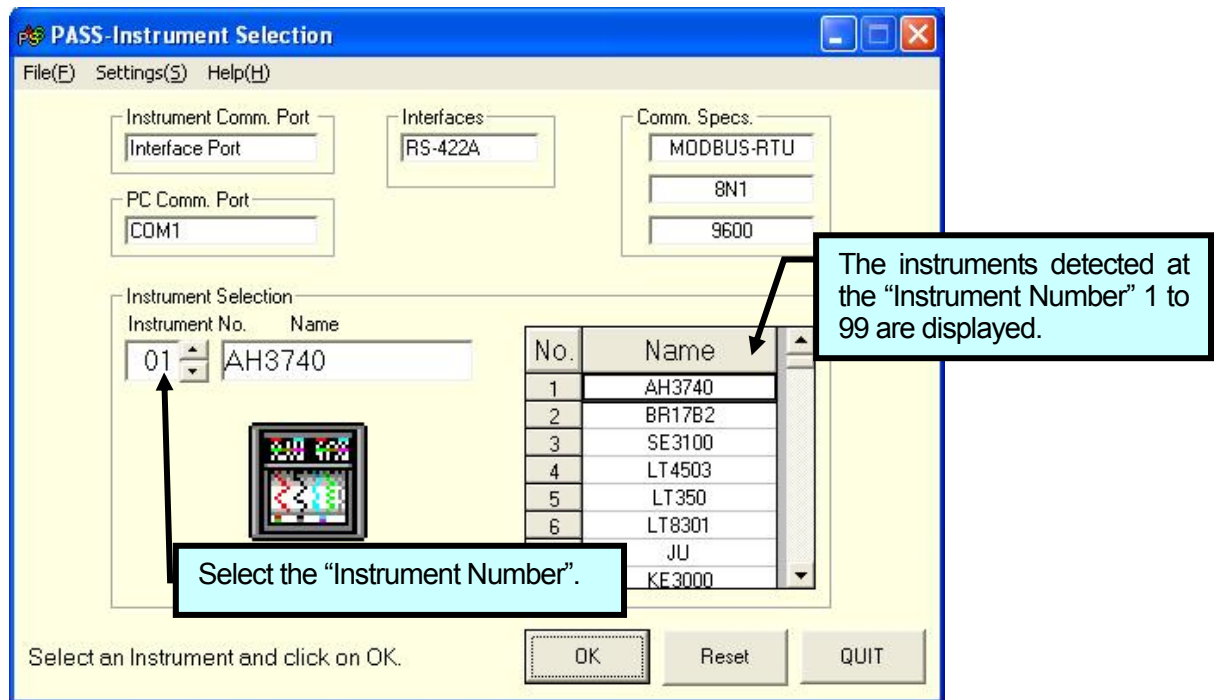
When the above programming has been completed, the instrument to be connected is automatically detected.

When RS232C or "Engineering Port" is selected, detection will be carried out only at the "Instrument Number" 1.

In case of RS422A, RS485 or USB, the instruments are detected in the range entered in Para. 4-1-1 from 1 to 99. For Ethernet, IP addresses only are detected.

The detection result is displayed on the "Instrument Selection" screen. Select the instrument with the "Instrument Number" to be programmed and click "OK".

In case the instrument to be programmed is not displayed, check (1) communications cable and (2) communications settings (both for the instrument and the personal computer), then click "Reset".



At the setting (S) on the menu bar;

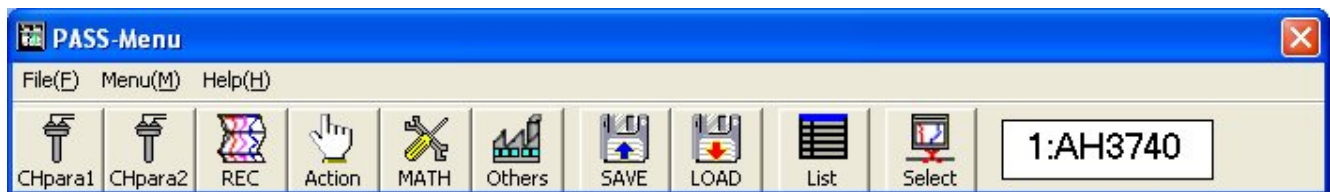
[Read from instrument] is selected, current parameters are read from an instrument and the menu screen for each model will appear. Click the button of the parameter item required to program. (Refer to paragraphs after Para. 4-3-1.)

[Read from file] is selected, instrument parameters are read from a file created by [SAVE] on the menu for each model and the menu screen will appear. Click the button of the parameter item required to program. (Refer to paragraphs after Para. 4-3-1.)











*** As the parameters are not read from an instrument, the initial startup becomes quicker.**

4-3 Programming Menu

4-3-1 Programming Menu for AL3000/AH3000



The buttons and the related programming parameters are explained below.

Button	Programming Item
 CHpara1	“Channel Parameters 1” programming (1)Input Kind (2)Range/Scale (3)RJ Internal/External (4)Alarm (5)Burnout
 CHpara2	“Channel Parameters 2” programming (1)Tag (2)Engineering Unit (3)Color
 REC	“Printing Parameters” programming (1)Chart Speed Periodic Data Printing Interval (2)Subtract Printing (3)Printing Format (Automatic Range-shift Printing, Compressed/Expanded Printing, Zone Printing)
 Action	“Printing and Operation” (1)Feed (2)List Printing (3)Title Printing (4)Digital Data Printing (5)Title Characters Programming (6)Message Printing (7)Message character programming * (6) and (7) are available in pen-type instrument only.
 MATH	“Mathematics Parameters” programming (1)Communications Input (2)Maths Functions (3)Humidity (Humidity/Temperature Calculation) *The maths functions available to be programmed depend on the specifications of instruments.
 Others	“Other Parameters” programming (1)Temperature unit (°C, °F) (2)High-speed Trace Printing (Dotting type) (3)Alarm Dead-band (4)Instrument Time (5)Interface Specification (6)P.O.C (7)Alarm relay (8)Remote Contact (9)Digital filter (10)Linear *The functions available to be programmed depend on the specifications of instruments. * (5) can be programmed only from the “Engineering Port”. * (6) to (9) are available in pen-type instruments only.
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading programmed parameters file from a floppy disk or a hard disk. Click this button when reading the programmed parameters stored at the “SAVE”. * With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format) (3)Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-2 Programming Menu for BR series



The buttons and the related programming parameters are explained below.

Button	Programming Item
Display	“Display Parameters” programming (1) Screen Select ion (2) Group Display (3) Trend Display (4) Bar-graph Display (5) Data Display
CHconf1	“Channel Configuration 1” programming (1) Input Kind (2) Range/Scale (3) RJ Internal/External (4) Burnout
CHconf2	“Channel Configuration 2” programming (1) Tag (2) Engineering Unit (3)Color (4) Display Scale
Alarm	“Alarm” programming (1) Type (2) Set-point (3) Relay Number, etc.
MATH	“Mathematics Parameters” programming (1) Communications Input (2) Maths Functions (3) Humidity (Humidity/Temperature Calculation), etc. *The maths functions available to be programmed depend on the specifications of instruments.
File	“File” programming Program up to 5 files. (1) Type (2) File Name (3) File Capacity (4) Storing Channels (5) Trigger Condition (6) Daily Report Programming
Message	“Message” programming/operation (1) Character Programming (2) Printing Operation
Others	“Other Parameters” programming (1) Guidance Language (2) Temperature Unit (°C, °F) (3) Clock Setting (4) Time Format (5) Screen Saver (6) Brightness (7) Operator Access Entry (8) Remote Contacts (9) Status Output (10) Communication 1 (11) Communication 2 (12) Instruments to be connected with Communication 2 *The functions available to be programmed depend on the specifications of instruments. * (10) can be programmed only from the “Engineering Port”.
SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format)
Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-3 Programming Menu for SE3000



The buttons and the related programming parameters are explained below.

Button	Programming Item
CHpara	“Channel Configuration” programming (1) Input Kind (2) Range/Scale (3) RJ Internal/External (4) Alarm (5) Burnout
Subtract	“Subtract Parameters” programming
MATH	“Mathematics Parameters” programming (1) Maths Functions (2) Humidity (Humidity/Temperature Calculation), etc.
Others	“Other Parameters” programming (1) Temperature Unit (°C, °F) (2) Alarm Dead-band (3) Interface Specification *The functions available to be programmed depend on the specifications of instruments. * (3) can be programmed only from the “Engineering Port”.
SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the [Batch transmission] in the LIST.
List	Display of instrument parameters list (1) Parameters printing (printer, printing form selection, preview) (2) File saving (saving with Excel or TXT or CSV format) (3) Batch transmission (The parameters displayed are sent to an instrument collectively.)
Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-4 Programming Menu for LT series



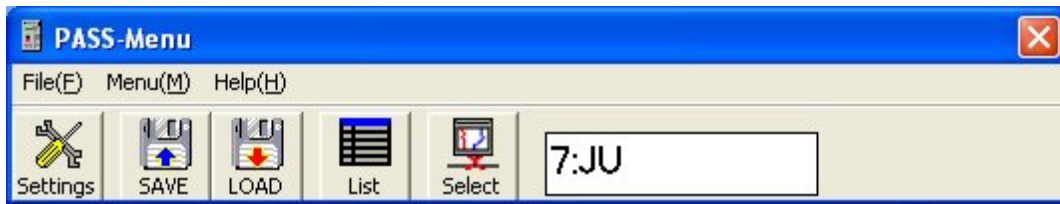
The buttons and the related programming parameters are explained below.

Button	Programming Item
RUN	“RUN parameters” programming (1)SV selection (2)SV, PID, Event Setting (3)RUN/READY (4)AUTO/MANUAL Operation (5)Auto Tuning (6)Target value filter (7)Key lock
Input	“Input parameters” programming (1)Input Kind (2)Temperature Unit (3)Range/Scale (4)PV,SV dot (5)Sensor correction (6)Digital filter (7)Deviation dead-band (8)Burnout
Control	“Control parameters” programming (1)SV,PID, Dead-band (2)Ramp, Ramp unit, PV start (3)SV limit (4)ARW, Output preset
Event	“Event parameters” programming (1)mode, Dead-band, Phase, Delay (2)Event Setting, Stand-by (3)Output at Ready
Output	“Output parameters” programming (1)output limit, Variation (2)Feed Back (3)Power recovery action (4)Control action (5)PV error output, Preset-out(Output at Ready), Pulse cycle
Option	“Option parameters” programming (1)Remote Contact (2)Transmission (3)Remote signal
Others	“Other Parameters” programming (1)Heat/Cool, Split (2)Cooling P, Cooling pulse cycle (3)Split Parameter
SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the [Batch transmission] in the LIST.
List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format) (3)Batch transmission (The parameters displayed are sent to an instrument collectively.)
Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.






* For parameters covered by , programming by LT200,/ LT300 or LT800 is disabled.

*Depending on specifications of instruments, some parameter items cannot be programmed.

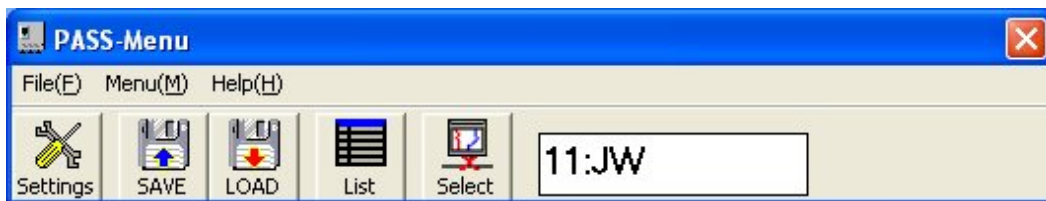
4-3-5 Programming Menu for JU








The buttons and the related programming parameters are explained below.

Button	Programming Item
 Settings	“Parameters” programming (1)AUTO/MANUAL (2)Setting value (3)Phase angle/Zero-cross (4)Current limit function (5)Disconnection alarm function (6)Key lock (7) Run/Stop
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format) (3)Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-6 Programming Menu for JW











The buttons and the related programming parameters are explained below.

Button	Programming Item
 Settings	“Parameters” programming (1) Operation, control, output system, alarms, and feedback (2) Slope, elevation, soft start time, SV upper-limit and lower-limit (3) Disconnection alarm, current control, imbalance alarm (4) Pulse cycle, current, voltage, power, key-lock
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1) Parameters printing (printer, printing form selection, preview) (2) File saving (saving with Excel or TXT or CSV format) (3) Batch transmission (The parameters displayed are sent to an instrument collectively.)
 select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

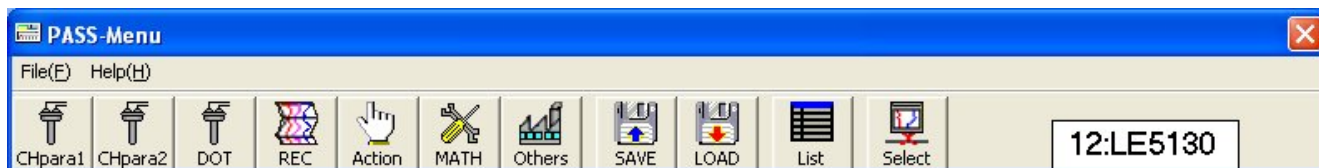
4-3-7 Programming Menu for KE3000














The buttons and the related programming parameters are explained below.

Button	Programming Item
 CHpara	“Channel Configuration” programming (1) Input Kind (2) Range/Scale (3) RJ Internal/External (4) Alarm (5) Burnout (6) Sensor correction (7) digital filter
 Output	“Relay Output” programming (1) Alarm bit mask (2) ON/OFF delay time (3) phase
 Pulse	The Integration can optionally be reset by each CH.
 Others	“Other Parameters” programming (1) USB address (2) Eng port Specification (3) interface Specification *(1) can be programmed only from the “Engineering Port” or “Communication 1”. *(2) can be programmed only from the “USB” or “Communication 1”. *(3) can be programmed only from the “Engineering Port” or “USB”.
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1) Parameters printing (printer, printing form selection, preview) (2) File saving (saving with Excel or TXT or CSV format) (3) Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-8 Programming Menu for LE5000















The buttons and the related programming parameters are explained below.

Button	Programming Item
 CHpara1	“Channel Configuration 1” programming (1) Input Kind (2) Range/Scale (3) RJ Internal/External (4) Alarm (5) Burnout (6) Sensor correction (7) digital filter
 CHpara2	“Channel Configuration 2” programming (1) Tag (2) Engineering Unit
 DOT	“Dot Parameters” programming (1) Input CH (2) Color (3) Record ON/OFF
 REC	“Printing Parameters” programming (1) Chart Speed Periodic (2) Data Printing Interval (3) Printing Format (Automatic Range-shift Printing, Compressed/Expanded Printing, Zone Printing)
 Action	“Printing and Operation” (1) Feed (2) List Printing (3) Digital Data Printing (4) Message Printing (5) Message character programming
 MATH	“Mathematics Parameters” programming (1) Communications Input (2) Maths Functions (3) Humidity (Humidity/Temperature Calculation) *The maths functions available to be programmed depend on the specifications of instruments.
 Others	“Other Parameters” programming (1) Display Parameters (2) Instrument Time (3) Interface Specification *The functions available to be programmed depend on the specifications of instruments.
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1) Parameters printing (printer, printing form selection, preview) (2) File saving (saving with Excel or TXT or CSV format) (3) Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

4-3-9 Programming Menu for KR2000/3000

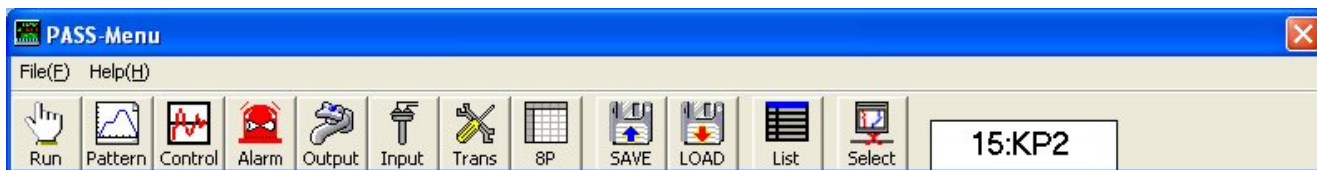


The buttons and the related programming parameters are explained below.





Button	Programming Item
 CHpara1	“Channel Configuration 1” programming (1) Input Kind (2) Range/Scale (3) RJ Internal/External (4) Alarm (5) Burnout
 CHpara2	“Channel Configuration 2” programming (1) Tag (2) Engineering Unit (3) Color (4) Display Scale
 MATH	“Mathematics Parameters” programming
 Display	“Display Parameters” programming (1) Group display (2) Data Display (3) Bar graph (4) Zone usage (5) Numeric Value updating (6) Screen saver (7) Back color (8) Time format
 File	“File” programming (1) Interval (2) Start/End condition (3) output settings (4) Folder (5) Schedule (6) File size
 Message	“Message” programming
 E-mail	“E-mail Parameters” programming (1) Transmission address (2) Transmission condition (3) Transmission CH (4) Account (5) Port No.
 Others	“Other Parameters” programming (1) Guidance language (2) Group number (3) Decimal point (4) Key Lock (5) Name (6) Time settings (7) Ethernet (8) Integration Reset (9) Communication1 (10) Communication2 (11) FTP (12) SNTP
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the “Send” function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1) Parameters printing (printer, printing form selection, preview) (2) File saving (saving with Excel or TXT or CSV format) (3) Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the “Instrument Selection” Click this button when quitting programming for an instrument, starting programming for another instrument.

*Depending on specifications of instruments, some parameter items cannot be programmed.

4-3-10 Programming Menu for KP1000/2000/3000

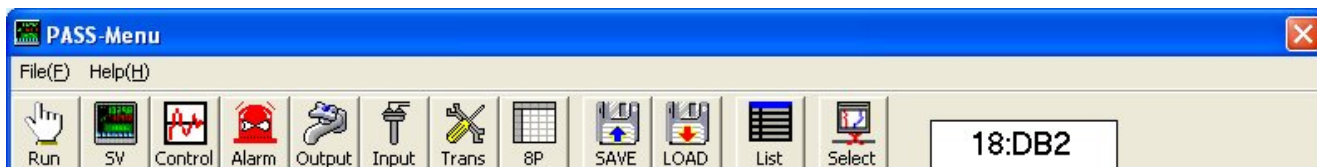


The buttons and the related programming parameters are explained below.

Button	Programming Item
 Run	"RUN parameters" programming (1)SV,PID,Alarm Setting (2)Output limit,Variation (3)ARW (4)Output preset (5)Sensor correction,SUB-OUT, SV SHIFT (6)RUN status (7)Key lock
 Pattern	"Pattern & Step" programming (1)SV,time,Step repeat (2)PID No,Alarm No,ARW No,Output No,Sensor correction No,Guaranty soak No,Wait time No,Time signal No (3)ARW (4)End Output (5)Pattern link (6)SV limit (7)Time unit Graph indication of each pattern is possible. A jpg file save of each pattern is possible.
 Control	"Control parameters" programming ※Programming by KP3000 is disabled. (1)P,I,D, SV scope (2)Sensor correction (3)ARW (4)AT2,3 (5)PID type (6)PID output,Gap,Deadband
 Alarm	"Alarm" programming ※Programming by KP3000 is disabled. (1)Mode (2)Set-point 1 to 8 (3)Deadband (4)Delay
 Output	"Output parameters" programming ※Programming by KP3000 is disabled. (1)Output limit,Variation (2)PV error output (3)Feedback (4)Control action (5)Control type (6)Preset-out
 Input	"Input parameters" programming ※Programming by KP3000 is disabled. (1)Input Kind ,RJ (2)Range/Scale (3)Digital filter (4)Temperature Unit (5)PV dot
 Trans	"transmission & DI/DO" programming. (1)Analog/Digital transmission (2)DI/DO settings
 8P	"8 type parameter" programming (1)P,I,D, Alarm 1 to 4 (2)ARW (3)Output limit,Variation (4)Output Preset (5)Sensor correction (6)Time signal (7)Guaranty soak (8)Wait time (9)SUB-OUT
 SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
 LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the "Send" function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
 List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format) (3)Batch transmission (The parameters displayed are sent to an instrument collectively.)
 Select	Returning to the "Instrument Selection" Click this button when quitting programming for an instrument, starting programming for another instrument.

*Depending on specifications of instruments, some parameter items cannot be programmed.

4-3-11 Programming Menu for DB1000/2000



The buttons and the related programming parameters are explained below.

Button	Programming Item
Run	"RUN parameters" programming (1)SV,PID,Alarm Setting (2)RUN status (3)Key lock
SV	"SV parameters" programming (1)Aim SV, Variation,Ramp unit,SV limit (2)Scale, RemoteShift, Remote filter (3)Cascade r,b (4)Tracking
Control	"Control parameters" programming (1)P,I,D, SV scope (2)Sensor correction (3)ARW (4)AT2,3 (5)PID type (6)PID output,Loop juge time
Alarm	"Alarm" programming (1)Mode (2)Set-point 1 to 8 (3)Deadband (4)Delay
Output	"Output parameters" programming (1)Output limit,Variation (2)PV error output (3)Feedback (4)Control action (5)Control type (6)Preset-out
Input	"Input parameters" programming (1)Input Kind ,RJ (2)Range/Scale (3)Digital filter (4)Temperature Unit (5)PV dot
Trans	"transmission & DI/DO" programming. (1)Analog/Digital transmission (2)DI/DO settings
8P	"8 type parameter" programming (1)P,I,D, Alarm 1 to 4 (2)ARW (3)Output limit,Variation (4)Output Preset (5)Sensor correction (6)Time signal (7)Guaranty soak (8)Wait time (9)SUB-OUT
SAVE	Storing a programmed parameters file into a floppy disk or a hard disk. Click this button when storing the programmed parameters read from an instrument into a floppy disk or a hard disk.
LOAD	Reading a programmed parameters file from a floppy disk or a hard disk. With this LOAD function, the parameters are only read and displayed on a personal computer. They are not sent to an instrument. To send the parameters to an instrument, carry out the "Send" function on each screen. For collectively sending all parameters to an instrument, use the the [Batch transmission] in the LIST.
List	Display of instrument parameters list (1)Parameters printing (printer, printing form selection, preview) (2)File saving (saving with Excel or TXT or CSV format) (3)Batch transmission (The parameters displayed are sent to an instrument collectively.)
Select	Returning to the "Instrument Selection" Click this button when quitting programming for an instrument, starting programming for another instrument.

*Depending on specifications of instruments, some parameter items cannot be programmed.

4-4 Basic operation for each screen

Two kinds of programming, a table format and a selecting format, are available.

4-4-1 Operation for a programming screen with the table format

The followings are the procedure to operate the programming screen.

- (1) Click the cell where you want to change a parameter.
(Entering of numeric values via the keyboard is enabled.)
- (2) Change a parameter on the programming menu or select a parameter from the list.
- (3) Send the reprogrammed parameters to the instrument by clicking on the "Trans" button.

[Example: CH parameters for KE3000]

PASS-Channel Parameters

Click to copy parameters to other channels.

Send the parameters to the instrument.

Click a cell to change a parameter.

	Input Kind	RJ	Range Low limit value	Range High limit value	Range D Pnt.	Scale Low limit value	Scale High limit value	Scale D Pnt.
CH 1	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 2	K	Internal	-200.0	500.0	1	-200.0	500.0	1
CH 3	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 4	K	Internal	-200.0	400.0	1	-200.0	400.0	1
CH 5	Platinel	Internal	0.0	500.0	1	0.0	500.0	1
CH 6	mV	Internal	-80.00	80.00	2	-80.00	80.00	2
CH 7	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 8	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 9	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 10	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 11	V	External	-1.250	1.250	3	-1.250	1.250	3
CH 12	V	External	-1.250	1.250	3	-1.250	1.250	3

⚠ Caution

Programming to the instrument will not be carried out without executing "Send (Trans)" operation.
After executing "Send" operation, the instrument cannot be returned to the condition with the previous parameters even if the "Cancel" button is pressed.

⚠ Caution

Observe the following cautions for programming.

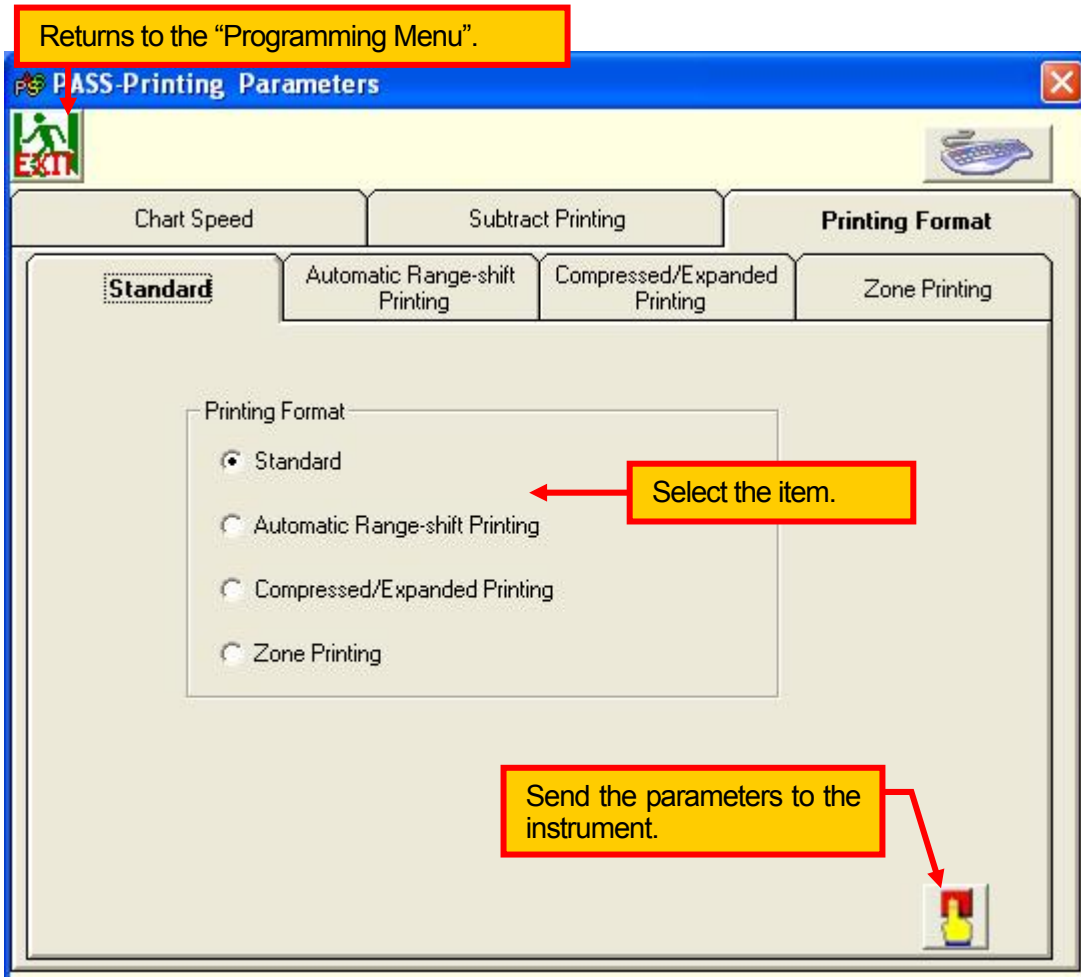
- (1) With the programming window, spaces for several digits are prepared for Tag and Engineering unit, however, the effective number of characters is decided.
- (2) Engineering units are merely symbols. When the Engineering unit is changed from °C to °F, it has no effect on the temperature unit system.
- (3) When a decimal point place at the minimum side of the range and the scale is changed, a decimal point place at the maximum side of the range and the scale, and the related alarm setpoint will also be changed. Be sure to check this when you perform such a change.

4-4-2 Operation for setting screen with selecting style


The followings are the procedure to operate the programming screen.

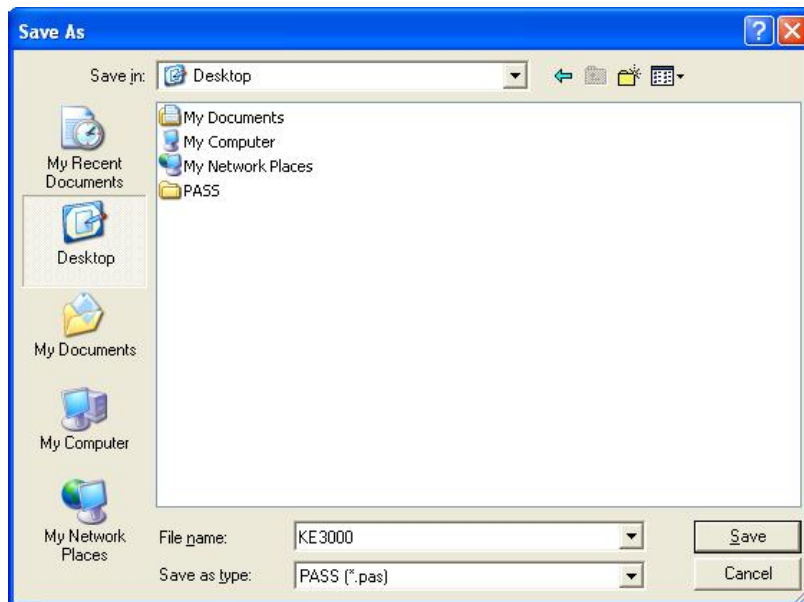
- (1) Click the item that you want to select.
- (2) Send the reprogrammed parameters to the instrument by clicking on the "Trans" button.

[Example: Recording formats for AL3000/AH3000]



4-5 File Storing (SAVE)


When the SAVE button  is clicked, the following window is displayed. Specify the name of the file and the place where the programmed parameters are to be stored. The programmed parameters are stored by clicking “SAVE”.

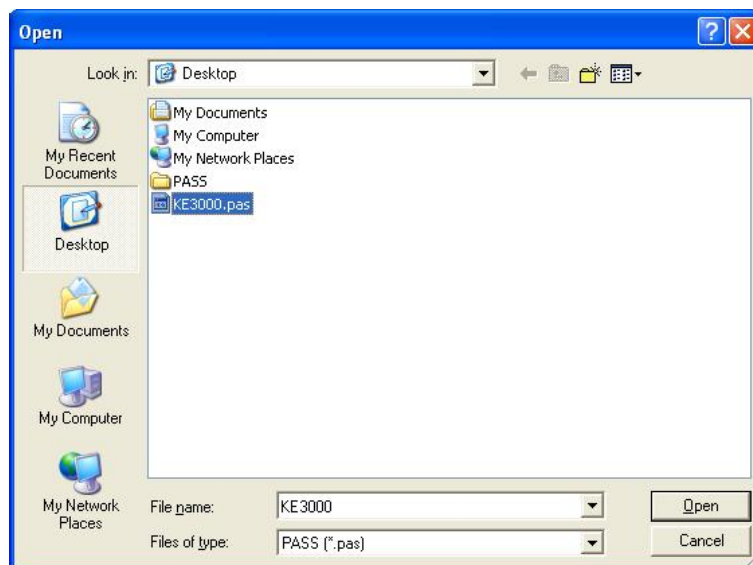


Caution

Any file name may be chosen, however, extension is fixed.

4-6 Reading a file (LOAD)


When the LOAD button  is clicked, the following window is displayed. Specify the file name and the place where the programmed parameters have been stored. The programmed parameters are read out by clicking “OPEN”.

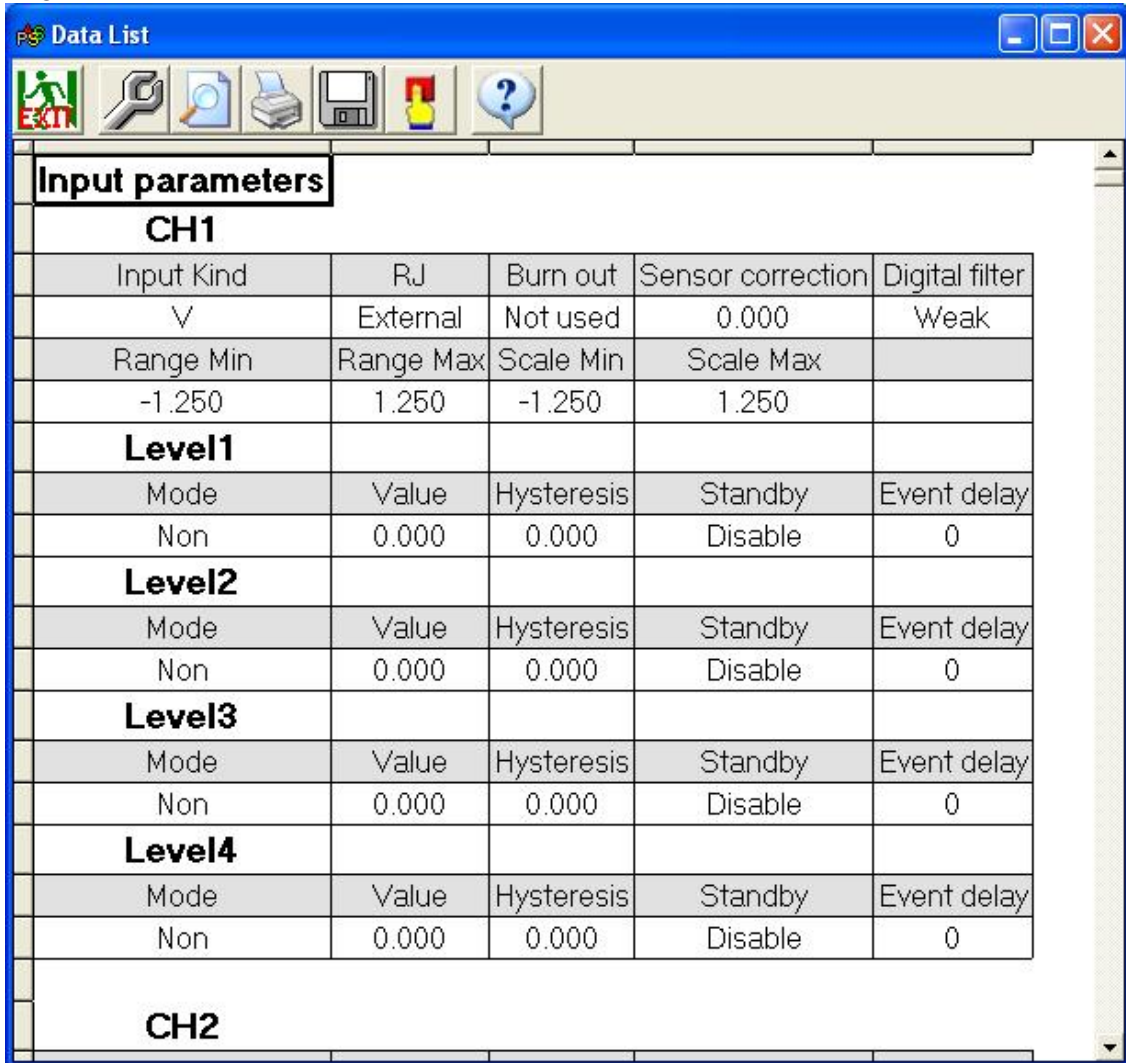


Caution

Be sure to select the file stored with SAVE function.
If any file other than the file stored with the SAVE function is selected or any alteration is done to a file stored with the SAVE function, PASS might quit.

4-7 Data List








By clicking this button  , the screen show below will appear.



The screenshot shows a window titled "Data List" with a toolbar containing icons for Exit, Settings, Print, Save, Send, and Help. The main area displays a table of input parameters for two channels, CH1 and CH2.

Input parameters				
CH1				
Input Kind	RJ	Burn out	Sensor correction	Digital filter
V	External	Not used	0.000	Weak
Range Min	Range Max	Scale Min	Scale Max	
-1.250	1.250	-1.250	1.250	
Level1				
Mode	Value	Hysteresis	Standby	Event delay
Non	0.000	0.000	Disable	0
Level2				
Mode	Value	Hysteresis	Standby	Event delay
Non	0.000	0.000	Disable	0
Level3				
Mode	Value	Hysteresis	Standby	Event delay
Non	0.000	0.000	Disable	0
Level4				
Mode	Value	Hysteresis	Standby	Event delay
Non	0.000	0.000	Disable	0
CH2				

The icons displayed in the Data list are:

	Quits the Data list.
	Settings for printing of the Data list.
	A print preview of the Data list will appear.
	Prints the Data list.
	Stores the Data list into an Excel file or csv or tab delimit text format file. (Reading of this file with [LOAD] on each menu bar is disabled.)
	The parameters are sent to the instrument collectively. * This icon may not be displayed depending on models of instruments.
	The Help file will appear.

5.Cautions

5-1 How to deal with an abnormal quit

Restart the PASS when it quits unexpectedly or stops its operation because of an abnormality occurring in the operating system, shortage of memory or when executing background application software.

5-2 Cautions for upgrading the version

The PASS is subject to be upgraded for adding instruments to be applied.

- (1) When upgrading a version, uninstall the current version (2-2) then
- (2) install the new version.



Caution

To uninstall an old version of PASS, follow the “Add/Remove Programs” procedure of Windows, which is explained below. You cannot uninstall the PASS with a Delete function (“drag and drop” the file into a “Recycle Bin”).

CHINO

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