User's Manual

FW1000
Regarding the Downloading and Installing for the Software (FXA120 DAQSTANDARD) and Manuals

IM 04L24B01-66EN

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This manual explains the downloading of software and electronic manuals and how to install DAQSTANDARD.

Downloading software and electronic manuals

Download the latest version of the software and electronic manuals from the following URL.
For the viewer, you can also use SMARTDAC+ Standard Universal Viewer.
In the manuals, read "FX1000" as "FW1000."

- Software
  URL: www.yokogawa.com/ns/fw/soft/
- Electric manuals
  URL: www.yokogawa.com/ns/fw/im/

Electric manuals

Manual Title	Manual No.
FX1000 User's Manual	IM04L21B01-01EN
FX1000 First Step Guide	IM04L21B01-02EN
FX1000 Communication Interface User's Manual	IM04L21B01-17EN
FXA120 DAQSTANDARD Viewer	IM04L21B01-63EN
FXA120 DAQSTANDARD Hardware Configurator	IM04L21B01-64EN
FW1000 User's Manual Safety Precautions and Installation Guide	IM04L24B01-01EN
FW1000 Regarding the Downloading and Installing for the Software (FXA120 DAQSTANDARD) and ManualsFX1000 Manuals FW1000 Mode Transition Diagram, Setting Mode / Basic Setting Mode Maps (this manual)	IM04L24B01-66EN

Installing the DAQSTANDARD

To install the DAQSTANDARD, an appropriate license number (117-00000-5819) needs to be entered.
1. Start Windows. Log onto Windows as an administrator.
2. Double-click the downloaded file to extract the files.
3. Double-click Install.exe.
4. The installation program starts automatically. Follow the instructions on the screen to proceed with the installation.

The table below indicates what languages the user's manuals and software are installed in.

Language Selected at Time of Installation	Viewer		Hardware Configurator	
	Software	User's manual	Software	User's manual
English	English	English	English	English
German	German	English	German	English
French	French	English	French	English
Italian	Italian	English	Italian	English
Spanish	Spanish	English	Spanish	English
Portuguese	Portuguese	English	Portuguese	English
Russian	Russian	English	Russian	English
Korean	Korean	English	Korean	English
Japanese	Japanese	Japanese	Japanese	Japanese
Chinese	Chinese	Chinese	Chinese	Chinese

Note

- Before starting installation, make sure that all the resident programs are exited.
- To re-install the software, first uninstall it, then re-install it.

The DAQSTANDARD user's manual is installed with DAQSTANDARD. To view it, on the Help menu, click User's Manual. Or, from the Start menu, select [Programs] - [DAQSTANDARD]. You can view the user's manual on Adobe Reader versions 7.0 and later.

System Requirements

OS	Windows Vista	Home Premium SP2 (excluding 64-bit editions)
		Business SP2 (excluding 64-bit editions)
	Windows 7	Home Premium, SP1 32-bit and 64-bit editions
		Professional, SP1 32-bit and 64-bit editions
	Windows 8/8.1	32-bit and 64-bit editions (Supports the desktop mode)
		Pro 32-bit and 64-bit editions (Supports the desktop mode)
CPU and Main Memory	When Using Windows Vista Pentium 4, 3 GHz or faster Intel x64 or x86 processor; 2 GB or more of memory When Using Windows 7 or Windows 8 32-bit edition: Intel Pentium 4, 3 GHz or faster x64 or x86 processor; 2 GB or more of memory 64-bit edition: Intel x64 processor that is equivalent to Intel Pentium 4, 3 GHz or faster; 2 GB or more of memory	
Hard Disk	A free space of 100 MB or more (more space may be required, depending on the amount of data stored).	
Monitor	A video card that is recommended for the OS and a display that is supported by the OS, has a resolution of 1024×768 or higher, and that can show 65,536 colors (16-bit, high color) or more.	
Interface Port	When communicating through RS-232, use a COM port (COM1, COM2, COM3, or COM4) supported by Windows. When communicating through RS-422/RS-485, connect a converter to an RS-232 port. To communicate through an Ethernet connection, you need an Ethernet card supported by Windows. Also, the TCP/IP protocol must be installed.	
Printer	A printer supported by Windows is required. An appropriate printer driver is also required.	

About the Usage of Open Source Software

Heimdal

The DAQSTANDARD uses Heimdal source code.
In accordance with the Heimdal license agreement, the copyright notice, redistribution conditions, and license are listed below.

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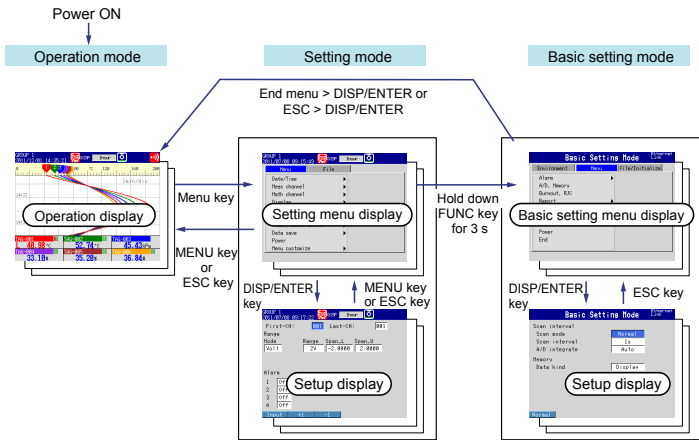
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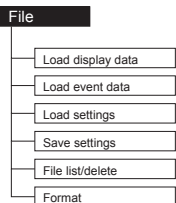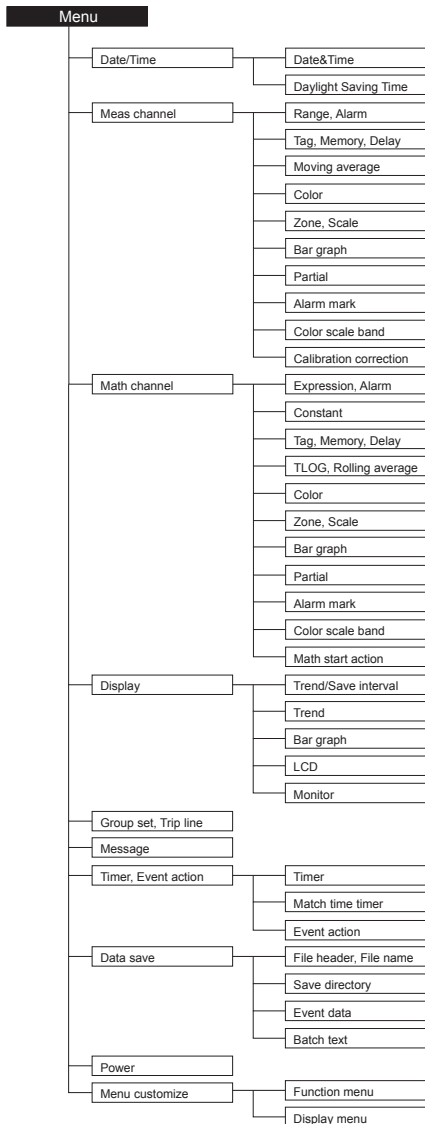## FW1000
Mode Transition Diagram
Setting Mode / Basic Setting Mode Maps

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Mode Transition Diagram

Power ON

| Operation mode | Setting mode | Basic setting mode |

End menu > DISP/ENTER or ESC > DISP/ENTER

Menu key

Operation display → Setting menu display → Basic setting menu display

Hold down FUNC key for 3 s

MENU key or ESC key

DISP/ENTER key — MENU key or ESC key

DISP/ENTER key — ESC key

Setup display — Setup display

The FW has three modes.

Mode	Description
Operation mode	A mode for performing measurements.
Setting mode	A mode for configuring settings, such as the input range and the measurement method. Most settings can be changed when memory sampling is in progress.
Basic setting mode	A mode for configuring basic settings, such as the scan interval and the measured data save method. You cannot switch to this mode when memory sampling is in progress.

Basic setting mode

Environment
- Operating environment
- View, Message
- Input, Alarm
- Security, Media save
- Batch
- Communication
  - Service port
  - POP3 Details
  - FTP Server Details
- Math
- Report
- LOG Input
- End

Menu
- Alarm
  - Basic settings
  - Switch, Relay
  - Hysteresis
- A/D, Memory
- Burnout, RJC
- Keylock
  - Key action, Media
  - Action of Function
- Login
  - Basic settings
  - Admin settings
  - User settings
  - Authority of user
    - Key action, Media
    - Action of Function
- Report
  - Basic settings
  - Report settings
- Date&Time
- Communication (Ethernet)
  - IP-address
  - Host settings
  - DNS settings
  - Keepalive, Timeout
  - Server
    - Server modes
    - Allowed Modbus clients
  - Web page
  - E-Mail
    - Basic settings
    - Recipients
    - POP3 settings
    - Alarm settings
    - Scheduled settings
    - System settings
    - Report settings
  - FTP client
    - FTP transfer file
    - FTP connection
  - SNTP client
  - Modbus client
    - Basic settings
    - Modbus server settings
    - Command settings
- Communication (Serial)
  - Basic settings
  - Modbus master
    - Basic settings
    - Command settings
- Status relay
- Power
- End

File/Initialize
- Load settings
- Initialize
- Media eject
  - CF
  - USB
- End

Setting mode

Menu
- Date/Time
  - Date&Time
  - Daylight Saving Time
- Meas channel
  - Range, Alarm
  - Tag, Memory, Delay
  - Moving average
  - Color
  - Zone, Scale
  - Bar graph
  - Partial
  - Alarm mark
  - Color scale band
  - Calibration correction
- Math channel
  - Expression, Alarm
  - Constant
  - Tag, Memory, Delay
  - TLOG, Rolling average
  - Color
  - Zone, Scale
  - Bar graph
  - Partial
  - Alarm mark
  - Color scale band
  - Math start action
- Display
  - Trend/Save interval
  - Trend
  - Bar graph
  - LCD
  - Monitor
- Group set, Trip line
- Message
- Timer, Event action
  - Timer
  - Match time timer
  - Event action
- Data save
  - File header, File name
  - Save directory
  - Event data
  - Batch text
- Power
- Menu customize
  - Function menu
  - Display menu

File
- Load display data
- Load event data
- Load settings
- Save settings
- File list/delete
- Format