User's Manual

How to Use the CD

FX1000

Installing FXA120 DAQSTANDARD and
Opening FX1000 Manuals

IM 04L21B01-66EN

YOKOGAWA ◆
Yokogawa Electric Corporation

2nd Edition : Sept. 2012

This manual explains how to install the DAQSTANDARD and to open the electric manuals for FX1000.
The following contents are in the CD.
- FXA120 DAQSTANDARD for FX1000
- PDF manuals for FX1000 and FXA120
- Excel data that contains the FX1000 labels

Installing the DAQSTANDARD

To install the DAQSTANDARD, an appropriate license number needs to be entered. The license number is indicated on the CD case.
1. Start Windows. Log onto Windows as an administrator.
2. Insert the CD into the CD-ROM drive of the computer.
3. The installation program starts automatically. Follow the instructions on the screen to proceed with the installation.
   If the installation program does not start automatically when you insert the CD-ROM into the CD-ROM drive, use the following procedure to start it.
   In [My Computer], double-click the CD-ROM icon. Installation starts. Follow the instructions on the screen to complete 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 XP	Home Edition SP3
		Professional SP3 (excluding x64 Edition)
	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
CPU and Main Memory	When Using Windows XP Pentium III, 600 MHz or faster Intel x64 or x86 processor; 128 MB or more of 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 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.

Copyright (c) 2006 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden).All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

How to open User's Manuals / Label

The PDF files that contain the user's manuals and the Excel data that contains the labels are stored in the "Manuals" folder on the CD. Use Adobe Reader 7.0 or later to view the user's manuals. Use Microsoft Office Excel 2003 or later to edit the Excel data.

Directory	Folder Name	File Name	Document Name
CD drive:\ Manuals\ English\	FX1000 User Manual	IM04L21B01-01EN_***.pdf	FX1000 User's Manual
	FX1000 First Step Guide	IM04L21B01-02EN_***.pdf	FX1000 First Step Guide
	FX1000 Installation Guide	IM04L21B01-03EN_***.pdf	FX1000 Safety Precaution/ Installation Guide
	FX1000 Communication Manual	IM04L21B01-17EN_***.pdf	FX1000 Communication Interface User's Manual
	Viewer Manual	IM04L21B01-63EN_***.pdf	FXA120 DAQSTANDARD Viewer
	Hardware Configurator Manual	IM04L21B01-64EN_***.pdf	FXA120 DAQSTANDARD Hardware Configurator
	How to Use the CD	IM04L21B01-66EN_***.pdf	How to Use the CD Installing FXA120 DAQSTANDARD and Opening FX1000 Manuals FX1000 Mode Transition Diagram Setting Mode / Basic Setting Mode Maps (this manual)
CD drive:\ Manuals\ Label\	Label for FX1000	IM04L21B01-81Z1_***.xls	Labels to Attach to the FX1000 Operation Cover

***: Edition number

Trademarks

- Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Adobe and Acrobat are registered trademarks or trademarks of Adobe Systems Incorporated.
- Company and product names that appear in this manual are registered trademarks or trademarks of their respective holders.

⚠ **WARNING** This CD-ROM contains software, and is for use in a computer only. Do not play this on an audio CD player, as the high volume may damage your hearing or audio speakers.

User's Manual

FX1000

Mode Transition Diagram
Setting Mode / Basic Setting Mode Maps

FX1000

IM 04L21B01-66EN

Mode Transition Diagram
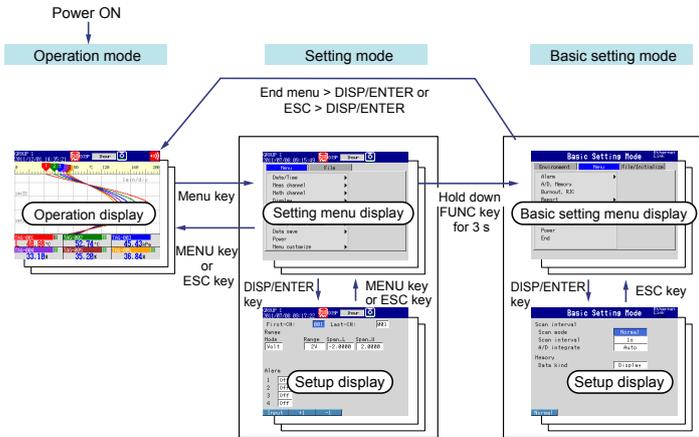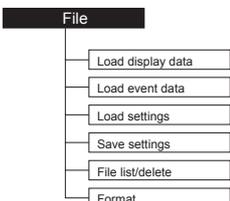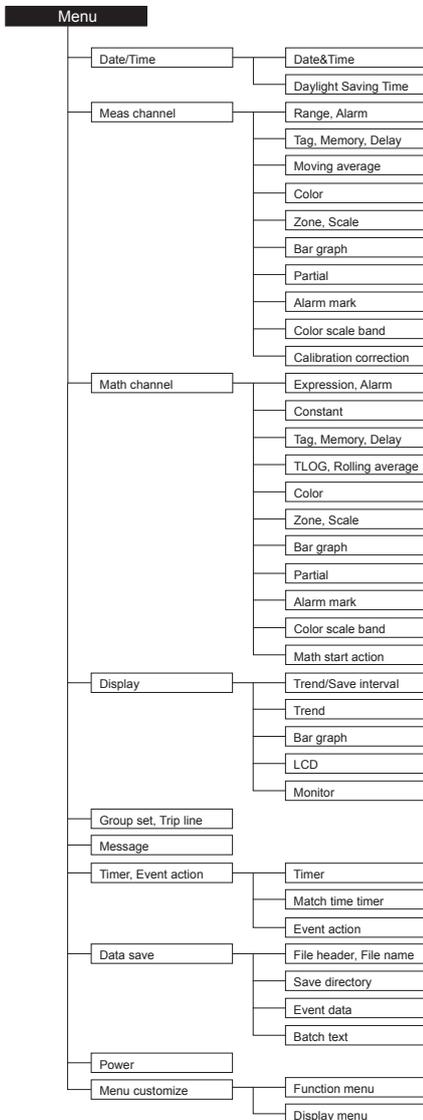
The FX has three modes.

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.

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

MENU key or ESC key

Hold down FUNC key for 3 s

DISP/ENTER key | MENU key or ESC key

DISP/ENTER key | ESC key

Setup display | Setup display

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

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
- End
  - USB