Store this instruction manual in a convenient location for future reference whenever necessary. Read the instructions carefully before using the product, and operate in accordance with instructions.
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   - rent, lease or lend the Software;
   - transfer the Software to any third party;
   - transfer the Software to any other country other than the country where the System is located; or
   - use the Software for commercial software hosting services.

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To use this product safely, please read this manual thoroughly and master its contents. Also, please implement safety education systems in your hospital. Please contact our company representatives for explanations regarding product introduction.

Contents

- Purpose, Overview and Features of the Product
  - Purpose and Overview
  - Features
  - System Configuration
- Precautions
  - Use
- Preparation
  - Overall Process
  - System Requirements
  - Compatible Equipment
  - How to Install
  - How to uninstall
- Operation Procedure
  - Steps for Use
  - Starting and Quitting this Software
  - Setting User Information
  - Tool configuration
  - Basic Information Settings
  - Pump/Rack Information Management
  - Writing Communication Configurations
  - Drug Library Management
  - Receiving a Pump History
  - Browsing Pump or Rack Status
  - How to Connect to Pump/Rack
- Troubleshooting
- Symbols
- FOR INFORMATION ABOUT TERUMO PRODUCTS
Purpose and Overview

TERUFUSION Data Communicator (this software) is to be installed on a PC for the following uses.
(1) Confirming and changing pump and rack system configurations.
(2) Receiving pump operation history files and saving them externally.
(3) Transmitting drug libraries to pumps and receiving drug libraries from pumps.

Features

Transmitting a drug library
- Allows you to transmit a drug library to TERUFUSION Infusion Pump Type LM and TERUFUSION Syringe Pump Type SS (Only for types with the drug library feature available).

Receiving a history
- Allows you to receive TERUFUSION Infusion Pump Type LM/LF and TERUFUSION Syringe Pump Type SS histories. (Only for pumps with external communication function (RS-232C) or wireless LAN function)
  • Received history files can be viewed for each equipment.

Setting communication configuration
- Allows you to set a pump/rack communication configuration (Wireless LAN or Wired LAN).

Authorization Provided to Logged in Users
- In order to prevent transmission of drug library and changes to system administration, rights can be provided to a user, and the scope of use can be limited.
System Configuration

This software enables you to communicate with pumps (or racks), receive pump history files, and transmit drug libraries.

System Configuration Chart
To ensure safe and correct use of this system, please be sure to observe all precautions. Non-compliance with precautions and incorrect system use may result in damage or injury. The following are signs used in this manual and their meanings:

This label preceding a precaution indicates that there will be a possible risk of personal injury or property damage if the precaution given is not complied with.

Use

Precautions for Use
- Before using this software, check the PC and all accessories. If anything is found to be functioning abnormally, do not use this software.
  [Software features may not work, or performance may decrease.]
- Ensure all data is backed up periodically to prevent loss of data due to PC or accessories attached.
- Manage data carefully to prevent unlawful use of user information.
- To delete files created by use of this software, delete them individually.
  [Files created by the user will not be deleted by uninstallation.]
- After transmitting a drug library to the pump, the pump’s transmitted content should be reviewed to confirm.

Important Basic Precautions
- Do not install this software in multiple PCs on the same network and use them.
  [Management of pumps used and maintenance and management (including version management) of drug library may not be performed properly.]
- Use this software after checking attached documents for drugs and medical equipment used in combination.
- Only users who have thoroughly studied the instructions should use this software.
- Do not modify this software.
  [Doing so may lead to software malfunction.]

Interaction (using this software with other Terumo devices)
[Joint Usage Precautions]
- When installing this software, a pump display language must be selected that matches the pump language setting.
  [Not doing so will make it impossible to save drug libraries created with this software to pumps.]
- Once you start using this software, do not change the pump language setting.
  [If language settings differ, drug libraries created with this software cannot be transferred to pumps.]
- Data transfer must be conducted with drug library files made with TERUFUSION Dose Analyzer with Drug Library Manager or TERUFUSION Drug Library Manager.
  [File format interface is not guaranteed.]
- When using TERUFUSION Dose Analyzer with Drug Library Manager or TERUFUSION Drug Library Manager to change the save destination or communication configuration, ensure you use the same setting changes for this software.
  [File sharing etc. can no longer be done.]
When using this system, refer to the following process flow. See each software's instruction manual for details.

1. **Preparation**
   - Confirm System Requirements (specs, PC arrangement, communication environment)
   - Pump Use Drug Selection
   - Shared Folder Settings (history, drug library)
   - Server / User Settings
   - TERUFUSION Data Communicator Settings
   - Communication Configuration, Pump / Rack Settings
   - Communication Environment Writing

2. **Implementation**
   - Installation
   - User Registration
   - System Settings
   - Master Drug Settings

3. **Operation**
   - History Analysis
   - Create Library
   - Download History
   - Update Library
   - Operate Pump
### System Requirements

<table>
<thead>
<tr>
<th>System requirements</th>
<th>[Operating System]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Microsoft® Windows® XP Professional SP2 and beyond.</td>
</tr>
<tr>
<td></td>
<td>32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Vista® Business 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Vista Enterprise 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Vista Ultimate 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows 7 Professional 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows 7 Enterprise 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows 7 Ultimate 32-bit (x86) / 64-bit (x64)</td>
</tr>
<tr>
<td>[Memory]</td>
<td>512 MB or more recommended</td>
</tr>
<tr>
<td>[CPU Clock]</td>
<td>Intel® 2 GHz or more recommended</td>
</tr>
<tr>
<td>[HDD]</td>
<td>10 GB or more free space recommended</td>
</tr>
<tr>
<td>[Device]</td>
<td>DVD-ROM drive</td>
</tr>
<tr>
<td>[Screen Resolution]</td>
<td>1024 x 768 pixels or more</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication interface</th>
<th>Compatible with RS-232C, IEEE802.11b, 100BASE-TX</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>* Refer to the pump and rack instruction manuals.</td>
</tr>
</tbody>
</table>

### Compatible Equipment

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Model</th>
<th>Catalogue Number</th>
<th>External Communication Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>TERUFUSION Infusion Pump Type LF</td>
<td>TE-LF600</td>
<td>TE-LF602XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TERUFUSION Infusion Pump Type LM</td>
<td>TE-LM700</td>
<td>TE-LM702XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TERUFUSION Infusion Pump Type LM</td>
<td>TE-LM800</td>
<td>TE-LM800XXX</td>
<td>Wireless LAN</td>
</tr>
<tr>
<td>TERUFUSION Syringe Pump Type SS</td>
<td>TE-SS700</td>
<td>TE-SS702XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TERUFUSION Syringe Pump Type SS</td>
<td>TE-SS800</td>
<td>TE-SS800XXX</td>
<td>Wireless LAN</td>
</tr>
<tr>
<td>TERUFUSION Communication Rack System</td>
<td>TE-RS800</td>
<td>TE-RS800N03</td>
<td>RS-232C, Wireless LAN, and Wired LAN</td>
</tr>
</tbody>
</table>

(XXX = EN1, EN2, DE1, FR1, IT1, IT3, NL1, RU1, ES1, SV1, NO1, DA4, PL1, HU1, SK1)
How to Install

The steps for installing this software on a PC are listed below.

Caution
• Installation of this software should be performed by the user authorized as the PC Administrator.

New installation

1) Insert the Install DVD into the PC's DVD-ROM drive. The installer will start up automatically. If it does not start up automatically, double click the DVD's "setup.exe" file to start. The requirements for this software will be listed.
   • Windows Installer 4.5 Redistributable
   • Microsoft .NET Framework 3.5 SP1
   • Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package MFC Security Update

Note
• The run environment to be installed differs according to installed PC environment.

2) Click the [Install] button to start system requirements installation.

Note
• When the redistribution package has been installed, a message prompting system re-boot may appear. Click the [Yes] button to reboot the PC.
3) Click the [Next] button.

The "Support OS and specification" screen is then displayed.

4) Review the system requirements for this software, then click the [Next] button.

The "License Agreement" screen is then displayed.
5) If you agree with the license agreement content after reading it over, click on the [I accept the terms of the license agreement] button. The [Next] button can then be selected. Click the [Next] button. The "Enter the installation folder" screen is then displayed.

6) Select a folder for installation.

**Note**
- The default folder for application installation will differ for 32-bit and 64-bit PCs.
  - 32-bit: C:\Program Files\Terumo_CQI\CQI_comm_tool
  - 64-bit: C:\Program Files(x86)\Terumo_CQI\CQI_comm_tool

Click the [Next] button. If there is not enough free space on the specified hard disk, a warning appears. The "System settings" screen is then displayed.

7) Select a folder for drug library to be read from.

**Note**
- The default drug library read destination folder will differ by OS for Windows XP, Windows Vista, and beyond.
  - Windows XP: C:\Documents and Settings\All Users\Application Data\Terumo_CQI\libraryset
  - Windows Vista and beyond: C:\ProgramData\Terumo_CQI\libraryset

Click the [Next] button. The "System settings" screen is then displayed.
8) Select a pump history save destination folder.

**Note**
- The default pump history save destination folder will differ by OS for Windows XP, Windows Vista, and beyond.
  - Windows XP: `C:\Documents and Settings\All Users\Application Data\Terumo_CQI\history`
  - Windows Vista and beyond: `C:\ProgramData\Terumo_CQI\history`

Click the [Next] button.

9) Select the [Software Display Language] listbox.
   Set the screen display language of this software.

10) Select the [Pump Display Language] listbox.
   Set the display language for pumps to use. For available languages, refer to the pump instruction manuals.

**Caution**
- Connection cannot be made with pumps that have different display languages.

If this software is installed with the wrong language setting, uninstall and re-install it.

Click the [Next] button.

The “Start Copying Files” screen is then displayed.
11) Click the [Next] button. Software installation begins. When installation ends, the "InstallShield® Wizard Complete" screen is displayed.

12) Click the [Finish] button to close the "InstallShield Wizard Complete" screen.
1) Insert the Install DVD into the PC's DVD-ROM drive. The installer will start up automatically. If it does not start up automatically, double click the DVD's "setup.exe" file to start.

When starting up the installer, it checks the installation status of this software.

2) This software can be repaired or removed in this screen.

1) Click the [Yes] button.
When performing the repair process, settings including folders will go back to the default settings.

1) Click the [Yes] button.
This software will be uninstalled.
How to uninstall

1) Click [Start] - [All Programs].

2) Click [TERUFUSION Data Communicator] - [Uninstall]. The uninstallation confirmation message appears.

**Notes**
- The uninstall process cannot be performed when this software is running. Perform the uninstall process after exiting this software.
- Installed files will be deleted during the uninstallation. Make any necessary back-ups before performing the uninstall process.
3) Click the [Yes] button to start the uninstall process. The "InstallShield Wizard Complete" screen is displayed once the uninstall process is completed.

4) Click the [Finish] button. Uninstallation will finish.

**Caution**

- Individually delete any files not deleted during the uninstallation.
## Steps for Use

### ◆ Software Introduction

<table>
<thead>
<tr>
<th>Step</th>
<th>Refer to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install.</td>
<td>page 9</td>
</tr>
<tr>
<td>Start up this software.</td>
<td>page 20</td>
</tr>
<tr>
<td>Log in.</td>
<td>page 20</td>
</tr>
<tr>
<td>Set the user information.</td>
<td>page 24</td>
</tr>
<tr>
<td>Setup the tool. (Backup, file save destination, etc.)</td>
<td>page 28</td>
</tr>
<tr>
<td>Communication Configuration Basic Information Settings</td>
<td>page 32</td>
</tr>
<tr>
<td>(Required for Wired/Wireless LAN Connection)</td>
<td></td>
</tr>
<tr>
<td>Register the pumps and racks.</td>
<td>page 40</td>
</tr>
<tr>
<td>Quit this software.</td>
<td>page 23</td>
</tr>
</tbody>
</table>

### ◆ Communication Configuration Settings

(Required for Wired/Wireless LAN Connection)

<table>
<thead>
<tr>
<th>Step</th>
<th>Refer to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start up this software.</td>
<td>page 20</td>
</tr>
<tr>
<td>Log in.</td>
<td>page 20</td>
</tr>
<tr>
<td>Connect the racks to the PC. (RS-232C)</td>
<td>page 60</td>
</tr>
<tr>
<td>Write Communication Configuration Settings. (Restart Pump/Rack after Saving)</td>
<td>page 44</td>
</tr>
<tr>
<td>Switch Communication Configuration Settings. (Restart Pump/Rack after Saving)</td>
<td>page 49</td>
</tr>
<tr>
<td>Quit this software.</td>
<td>page 23</td>
</tr>
</tbody>
</table>
Operation Procedure

◆ Transmitting a drug library

Start up this software. ⇒ [Refer to page 20]

Log in. ⇒ [Refer to page 20]

Connect the pumps (or racks) to the PC. ⇒ [Refer to page 60]

Select the pump to transmit to. ⇒ [Refer to page 51]

Transmit the drug library. ⇒ [Refer to page 52]

Quit this software. ⇒ [Refer to page 23]

◆ Receiving a pump history

Start up this software. ⇒ [Refer to page 20]

Log in. ⇒ [Refer to page 20]

Connect the pumps (or racks) to the PC. ⇒ [Refer to page 60]

Select the pump to receive from. ⇒ [Refer to page 54]

Receive the pump history. ⇒ [Refer to page 55]

Quit this software. ⇒ [Refer to page 23]
Operation Procedure

◆ Browsing communication status

- Start up this software. ⇒ [Refer to page 20]
- Log in. ⇒ [Refer to page 20]
- Browse communication status. ⇒ [Refer to page 57]
- Quit this software. ⇒ [Refer to page 23]
Starting and Quitting this Software

◆ Starting up this software

1) Double click on the short-cut icon on the desktop. When this software starts, the "Login" screen is displayed. This software can also start by clicking [Start] - [All Programs] - [TERUFUSION Data Communicator] - [TERUFUSION Data Communicator].

◆ Logging in to this software

● Log in screen

1) Enter the user ID into "User ID".
2) Enter the password into "Password".
   For the first log in after installation, enter the following ID and password of the user with system administration authority.
   User ID: [administrator]/Password: [9999]
3) Click the [Login] button. After logging in as a registered user, the "main menu" screen is displayed. Click the [Cancel] button to exit this software.

Note
- After using above password for first log in the next password is the same as the user ID.

● Change password screen

1) If the user ID and password are the same, the "Change password" screen is displayed.
2) Enter a new password in alphanumeric characters (excluding spaces) in the [Password] entry column.
3) Enter the same password in the "Password again" column for verification.
4) Click the [OK] button. After a new password is registered, the "main menu" screen is displayed. Clicking the [Cancel] button will display the "Login" screen.

Notes
- The password is displayed as asterisks (*).
- A warning will appear when an unregistered user ID or an incorrect password is entered.
● Main menu screen
After log in, the "main menu" screen is displayed. The name of the displayed screen depends on the access authorities of the user logged in. User authorities are set in the "Edit of user list" screen. Click the screen name to go to each setting screen.

![Main menu screen](image)

● Shared screens
The top section is common in all screens.

![Shared screens](image)

1. Displays this software name and version.
2. Displays the name of the selected screen.
3. Displays the name of the logged in user.
4. Clicking the [Lock] puts this software into lock mode.
5. Click the [Quit] to exit this software.
**Operation Procedure**

- **Unlock screen**
  The "Unlock" screen appears by clicking the [Lock] at the top right of the shared screen.
  1) To unlock, enter the password.
  2) Click the [Unlock] button. If the correct password is entered, the screen displayed before the lock status will reappear. Clicking the [Shut down] button will display the 'Confirm' screen.
  3) Clicking the [Yes] button will shut down this software. Clicking the [No] button will display the "Unlock" screen.

**Note**
- This software cannot be shut down during communication with pumps (or racks).
◆ Quitting this software

1) Click the [Quit] to exit this software. The “Confirm” screen is displayed.

2) Clicking the [Yes] button will exit this software.
Setting User Information

◆ Edit of user list screen
Clicking [Add] or [Edit] from the list screen displays a screen for adding and editing user information.

1. Displays user ID. A user ID up to 30 alphanumeric characters in length can be entered.
2. Displays name. Up to 30 characters can be entered for name.
3. Displays access authority. Can be selected from the list.
4. Clicking the [Initialize] button initializes the password (Only use this function in Edit mode).
5. Click the [OK] button to record the edited information.
6. Click the [Cancel] button to discard the edited information.

Notes
• The initial password is the user ID.
• If a user ID for an already registered user is entered, a warning will be displayed.

● Authority Patterns
The 5 authority patterns that can be selected with this software are listed below.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>System administration authority</th>
<th>Pump history receive authority</th>
<th>Drug library transmit authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>×</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td>2</td>
<td>×</td>
<td>×</td>
<td>○</td>
</tr>
<tr>
<td>3</td>
<td>×</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>4</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>5</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

○: Valid ×: Invalid
● Authority and available screens
The following table shows the available screens for each authority.

<table>
<thead>
<tr>
<th>Menu 1</th>
<th>Function Description</th>
<th>System administration authority</th>
<th>Pump history receive authority</th>
<th>Drug library transmit authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmit and receive</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status</td>
<td>View communication status</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Pump comm. No.</td>
<td>&quot;Switch pump communication environment setting&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Pump comm. Table</td>
<td>&quot;Save communication environment setting to pump&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Pump history</td>
<td>Receive pump history</td>
<td>×</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td>&lt;IP&gt; Drug library</td>
<td>&quot;&lt;IP&gt;: &quot;Infusion Pump&quot; Receive/Transmit IP drug library&quot;</td>
<td>×</td>
<td>×</td>
<td>○</td>
</tr>
<tr>
<td>&lt;SP&gt; Drug library</td>
<td>&quot;&lt;SP&gt;: &quot;Syringe Pump&quot; Receive/Transmit SP drug library&quot;</td>
<td>×</td>
<td>×</td>
<td>○</td>
</tr>
<tr>
<td>Rack comm. No.</td>
<td>&quot;Switch rack communication environment setting&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Rack comm. Table</td>
<td>&quot;Save communication environment setting to rack&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>System setting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump list</td>
<td>Add/Edit/Delete pump</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Rack list</td>
<td>Add/Edit/Delete rack</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>User list</td>
<td>Add/Edit/Delete user information</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Tool configuration</td>
<td>&quot;Set backup and file save destination&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Comm. Setting</td>
<td>&quot;Set pump and rack communication environments to use wireless LAN or wired LAN. (when using wireless LAN, wired LAN)&quot;</td>
<td>○</td>
<td>×</td>
<td>×</td>
</tr>
</tbody>
</table>

○: Valid  ×: Invalid

Caution
- System administration authority can alter other user’s authorized scope of use. Use caution when giving system administration authority.
Operation Procedure

● Register User Information

1) Select [User list] from the “main menu” screen. A list of user information is displayed.

2) To add a new user, click [Add] at the bottom of the screen. The “Edit of user list” screen will be displayed.

3) Enter user ID and name.
4) Select an authorization pattern.
5) Clicking the [OK] button will register the edited user information.

● Edit User Information

1) To change settings for existing users, select the user to edit from the user list.

2) Click [Edit] at the bottom of the screen, or double click on the selected user. The "Edit of user list" screen will be displayed.
Delete User Information

1) To delete a user, select the user to delete from the user list.

2) Click [Delete] at the bottom of the screen, and the "Confirm" screen will be displayed.

   **Note**
   - A logged in user cannot be deleted.

3) Clicking the [Yes] button will delete the user information.
Settings for backup of configuration files and log files and settings for history save destinations and drug library read locations can be made. (This software uses these settings.) Select [Tool configuration] from the "main menu" screen.

1. Selecting the [Backup configuration] tab sets backup configurations.
2. Selecting the [Save path setting] tab sets the file save destination.
Backup configuration

Conditions and a location for backup of this software can be set.

Backup configuration screen

1. The file to be backed up can be selected.
2. Click the [Backup Now] button to immediately conduct the backup process.
3. Click the [Select] button to specify the folder for a backup to be stored in. It is also possible to put a folder name directly into the text box. Folders can be specified at a non-local location (shared folder, external drive, etc.).
4. Select [Auto-backup] checkbox to enable the auto-backup function.
5. Specifies the time period between backups. Possible selections are 1, 7, 30, 60, 90, 120, or 180 days.
6. Backup time can be specified from 0:00 to 23:59.
7. Click the [Confirm] button to finalize the selections.
**Operation Procedure**

### Set Backup Target

1. Put checks into the check boxes to select the information for backup.
2. Click the [Select] button in “Backup destination” to select the backup copy destination folder.
3. Click the [Confirm] button to save the settings.

### Set Auto Backup

1. Put a check in the [Auto-backup] check box. This software can be set to make a backup upon quitting.
2. Select the interval between backups.
3. Input the time for backup to start.
4. Click the [Confirm] button to save the settings.

**Note**

- Auto-backups will be conducted upon quitting this software. The selected interval between backups is the number of days that a backup will be made since the last time a backup was conducted. If the days in the selected interval have passed and the selected backup time has also passed, a backup will be conducted upon quitting this software.
◆ File save destination settings

It is possible to set the drug library read destination folder and pump history save destination folder to share with TERUFUSION Dose Analyzer with Drug Library Manager or TERUFUSION Drug Library Manager.

● Save path setting screen

1. Selecting “History File” sets the folder for saving histories received from pumps as files. Click the [Select] button to specify the folder. You can also input a folder name directly into the text box.
2. Selecting "Drug library File" sets the folder for reading drug library files to be transmitted to the pumps. Click the [Select] button to specify the folder. You can also input a folder name directly into the text box.
3. Click the [Confirm] button to finalize the selections.

Note

- Files in the save destination folder specified in this screen are used for analysis by TERUFUSION Dose Analyzer with Drug Library Manager. After analysis they will be moved from the folder. Do not specify the following folder used by this software.
  - Windows XP:
    - C:\Documents and Settings\All Users\Application Data\Terumo_CQI\CQI_comm_tool\History
  - Windows Vista and beyond:
    - C:\ProgramData\Terumo_CQI\CQI_comm_tool\History
Basic Information Settings

When connecting to pumps and racks by a LAN, the communication configuration needs to be set. Choose [Comm. Setting] from the 'main menu' screen.

Both pump and rack communication configuration can have 10 setting patterns individually. The pump and rack communications can be selected from the created communication configuration settings.

◆ Communication configuration settings

Select either the [Pump Comm. Table] tab or the [Rack Comm. Table] tab for the communication configuration settings.

● Pump Comm. Table screen

1. Select the communication configuration settings to edit or clear from the list.
2. Click [File Export] to export registered communication configuration settings to a file.
3. Click [Edit] to change the communication configuration settings for the selected table No. The ’Edit of pump comm. Table’ screen or the ’Edit of rack comm. Table’ screen will open.
4. Click [Clear] to return the communication configuration settings for the selected table No. to the default condition.
Operation Procedure

1) Click the [Pump Comm. Table] tab or the [Rack Comm. Table] tab.

2) Select the communication configuration settings to be changed.

3) Click [Edit] at the bottom of the screen, or double click the selected communication configuration settings. The 'Edit of pump comm. Table' screen or the 'Edit of rack comm. Table' screen will be displayed.
Operation Procedure

● Edit of pump comm. Table screen

Refer to the section "Communication configuration settings contents" in the next page for an explanation of items No.1 to No.19 that can be set with the "Edit of pump comm. Table" screen or the "Edit of rack comm. Table" screen.

● Edit of rack comm. Table screen

Refer to the section "Communication configuration settings contents" in the next page for an explanation of items No.1 to No.19 that can be set with the "Edit of pump comm. Table" screen or the "Edit of rack comm. Table" screen.
### Communication configuration settings contents

<table>
<thead>
<tr>
<th>No.</th>
<th>Setting name</th>
<th>Content</th>
<th>Setting covers (change covers)</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Comm. name</td>
<td>A name that can be chosen to identify the communication configuration</td>
<td>Any characters (up to 24 characters)</td>
<td>Blank</td>
</tr>
<tr>
<td>2.</td>
<td>Wireless standard</td>
<td>Choose whether to use wireless standard IEEE 802.11b</td>
<td>For pumps, choose OFF/b Racks set to b</td>
<td>Pump: OFF Rack: b</td>
</tr>
<tr>
<td>3.</td>
<td>SSID</td>
<td>Access point identifier</td>
<td>ASCII (1 to 32 characters excluding &quot;,&quot;, &quot;;&quot;, &quot;&amp;&quot;, &quot;;&quot;, &quot;&quot; and &quot;);&quot;)</td>
<td>Blank</td>
</tr>
<tr>
<td>5.</td>
<td>Input mode</td>
<td>Settings for encoding key input method</td>
<td>Selectable from Hex/ASCII/Alphanumeric. The input mode selectable contents will change depending on the encoding method and strength. For WEP-XX:  Hex/ASCII For WPA or WPA2: Hex/Alphanumeric</td>
<td>Hex</td>
</tr>
<tr>
<td>6.</td>
<td>PSK/WEP key</td>
<td>Encoding key settings</td>
<td>The input rules will change depending on the encoding method, strength, and selected input mode. Input in the range of following number of characters digits. For WEP-5 ASCII fixed at 5 characters Hex fixed at 10 characters For WEP-13 ASCII fixed at 13 characters Hex fixed at 26 characters For WPA related Alphanumeric 8 to 63 characters Hex 16 to 126 characters</td>
<td>Blank</td>
</tr>
<tr>
<td>7.</td>
<td>Periodic notification</td>
<td>A setting to choose whether a message will be sent regularly from the pumps (or racks) at the set interval.</td>
<td>Select ON/OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>8.</td>
<td>Event notification</td>
<td>A setting to choose whether a message will be sent from a pump (or rack) when an event occurs (start of infusion or an alert occurrence etc.)</td>
<td>Select ON/OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>No.</td>
<td>Setting name</td>
<td>Content</td>
<td>Setting covers (change covers)</td>
<td>Default Value</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------</td>
<td>--------------------------------------------------------------</td>
<td>----------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>9.</td>
<td>WLAN/LAN Select</td>
<td>LAN connection method setting (for racks only)</td>
<td>Select from None, LAN, WLAN, LAN and WLAN</td>
<td>None</td>
</tr>
<tr>
<td>10.</td>
<td>LAN IP setting</td>
<td>Setting for the method of IP address acquisition for wired LAN connection (for racks only)</td>
<td>Select DHCP/Manual</td>
<td>DHCP</td>
</tr>
<tr>
<td>11.</td>
<td>LAN Subnet mask</td>
<td>Subnet mask setting for wired LAN connection (for racks only)</td>
<td>Input in the 255.0.0.0 to 255.255.255.255 range</td>
<td>Blank</td>
</tr>
<tr>
<td>12.</td>
<td>LAN Default gateway</td>
<td>Default gateway setting for wired LAN connection (for racks only)</td>
<td>Input in the 0.0.0.0 to 255.255.255.255 range</td>
<td>Blank</td>
</tr>
<tr>
<td>13.</td>
<td>WLAN IP setting</td>
<td>Setting for the method of IP address acquisition for wireless LAN connection</td>
<td>Select DHCP/Manual</td>
<td>DHCP</td>
</tr>
<tr>
<td>14.</td>
<td>WLAN Subnet mask</td>
<td>Subnet mask setting for wireless LAN connection</td>
<td>Input in the 255.0.0.0 to 255.255.255.255 range</td>
<td>Blank</td>
</tr>
<tr>
<td>15.</td>
<td>WLAN Default gateway</td>
<td>Default gateway setting for wireless LAN connection</td>
<td>Input in the 0.0.0.0 to 255.255.255.255 range</td>
<td>Blank</td>
</tr>
<tr>
<td>16.</td>
<td>Destination IP</td>
<td>Set the IP address for the PC that connects the pumps (or racks) to the LAN</td>
<td>Input in the 0.0.0.0 to 255.255.255.255 range</td>
<td>Blank</td>
</tr>
<tr>
<td>17.</td>
<td>Port No.</td>
<td>Set the port No. for the PC that connects the pumps (or racks) to the LAN (Input 50000 to communicate with this software)</td>
<td>Input in the 1 to 65535 range</td>
<td>Blank</td>
</tr>
<tr>
<td>18.</td>
<td>Comm. Interval[s]</td>
<td>Sets the interval for sending periodic notification</td>
<td>Input in the 1 to 600(s) range</td>
<td>Blank</td>
</tr>
<tr>
<td>19.</td>
<td>Receive wait time[s]</td>
<td>Sets the wait time for receiving messages, when confirming the connection is maintained</td>
<td>Input in the 1 to 60(s) range</td>
<td>Blank</td>
</tr>
</tbody>
</table>
1) Edit communication configuration settings.

2) Clicking the [OK] button will save the edited communication configuration settings.
Selecting the communication configuration settings

Select the communication environment setting to be used. Click the [Selection of Pump comm. config. No.] tab or the [Selection of Rack comm. config. No.] tab.

1. Select the type to be set.
2. Select the communication configuration settings No. to be used. Selection cannot be made before clicking [Edit].
3. Click the [OK] button to implement the selected contents.
4. Click the [Cancel] button to discard the selected contents.
5. Click [File Export] to export the selected communication configuration settings No. to a file.
6. Click [Edit] to enable selection of the communication configuration settings number.

Check

- Displayed pump types correspond to catalogue numbers as the following table.

<table>
<thead>
<tr>
<th>Pump types</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-LF602N</td>
<td>TE-LF602XXX</td>
</tr>
<tr>
<td>TE-LM702A</td>
<td>TE-LM702XXX</td>
</tr>
<tr>
<td>TE-LM800A</td>
<td>TE-LM800XXX</td>
</tr>
<tr>
<td>TE-SS702N</td>
<td>TE-SS702XXX</td>
</tr>
<tr>
<td>TE-SS800N</td>
<td>TE-SS800XXX</td>
</tr>
</tbody>
</table>

(XXX = EN1, EN2, DE1, FR1, IT1, IT3, NL1, RU1, ES1, SV1, NO1, DA4, PL1, HU1, SK1)
1) Select the type to be set.

2) Click [Edit].

3) Select the communication configuration settings No. to be used.

4) Click the [OK] button. Settings will be saved.
Operation Procedure

Pump/Rack Information Management

Select [Pump list] from the "main menu" screen, and the screen for managing pump information will be displayed. This enables pump registration, deletion, and editing of device information. Selecting [Rack list] from the "main menu" screen enables rack registration, deletion, and editing of device information.

◆ Pump/Rack information management screen

1. Select the pump to change settings.
   - Device information for "Category", "Type", "S/N", "Nickname", "IP address", "MAC address" is displayed.
   - If network connection is made with an unregistered pump, device information will be registered using information read from the connection.
2. Click [File Export] to export the stored pump information to a file.
3. Click [Add] to register a new pump. The "Edit Pump data" screen will open.
4. Click [Edit] to change the selected pump information. The "Edit Pump data" screen will open.
5. Click [Delete] to delete the selected pump information.
● Display Pump/Rack information registration/edit screen

1) To add a new pump/rack, click [Add] at the bottom of the screen. The “Edit Pump data” screen/the “Edit Rack data” screen will open.

2) When changing the existing pump settings, select the pump to edit from the “Pump list” screen/the “Rack list” screen.

3) Click [Edit] or double click the selected pump/rack. The “Edit Pump data” screen/the “Edit Rack data” screen will be displayed.

● Edit Pump data screen

1. Type
2. Derivation
3. S/N
4. Device ID
5. Rack Name
6. Category
7. Comm. Configuration (WLAN)
8. Comm. Table
9. IP Address Setting
10. Manual
11. OK/Cancel
Operation Procedure

1. Displays the device type. You can change it by selecting from the list.
2. Displays the derivation. Changes can be made by entering in the 0000 to FFFF range, or by selecting from the list.
3. Displays the serial number. Can be changed by inputting 10 digits.
4. This information is for reference only, and cannot be changed.
5. Displays the device category. This is determined by the model number, so this information is for reference only.
6. Displays the nickname. Settings can be changed with 20 characters or less.
7. Select the type of LAN for communication configuration settings.
   For a rack, choose [Comm.Configuration(WLAN)] or [Comm.Configuration(LAN)] to set the communication configuration.
   For pumps, communication configuration can be set at only [Comm.Configuration(WLAN)].
8. Displays the IP address. Settings can be changed in the 0.0.0.0 to 255.255.255.255 range. For DHCP, settings are disabled.
9. Displays the IP address setting method as either [Manual] or [DHCP]. The contents set in the “Edit of pump comm. Table” screen or the “Edit of rack comm. Table” screen are displayed. It cannot be changed from this screen.
10. Click the [OK] button to save the edited contents.
11. Click the [Cancel] button to discard the edited contents.
1) Set information of the pump to be registered.

2) Click the [OK] button to save edited information of the pump.
Writing Communication Configurations

Communication configuration set via pump/rack information management in Comm. Setting will be written to a pump or a rack.

1) To write communication configuration settings, click [Pump comm. Table] in the "main menu" screen. For racks, click [Rack comm. Table]. To switch settings, click [Pump comm. No.] for pumps or [Rack comm. No.] for racks. The "Pump selection" screen or the "Rack selection" screen is then displayed.

◆ Pump selection screen

1. Select the pump to set communication configuration. Pumps on the network that are currently connected are displayed in bold type.
2. Click the [Back] button to return to the "main menu" screen.
3. Click the [Next] button to conduct a connection check for the pumps.
1) Put a check in the check box for the pump to be connected.

**Note**

- If the following screens are selected from the "main menu" screen, multiple pumps (or racks) cannot be selected.
  - [Pump comm. No.]
  - [Pump comm. Table]
  - [Rack comm. No.]
  - [Rack comm. Table]

Click the [Next] button. The pump connection check screen will be displayed.

**Pump connection check screen**

1. Select the pump to terminate the connection check. Check the box to make the [Abort] button available.
2. Click the [Abort] button to terminate the connection check. A message indicating the connection check termination is displayed, and after termination the "main menu" screen is displayed.
3. Displays the progress of the connection check.
4. Click the [Reselect] button to terminate the connection check and return to the "Pump selection" screen.
5. If the check is completed normally, the [Next] button is displayed allowing selection.
Operation Procedure

1) A message is displayed if a connection can be confirmed.

2) Click the [Next] button to write the communication configuration. The “Pump comm. Table” screen or the “Change of Pump comm. No.” screen will be displayed.
**Operation Procedure**

**Pump comm. Table screen/Rack comm. Table screen**

Select the communication configuration set with the pump communication configuration settings or rack communication configuration settings to be used, and write to the pump (or rack).

1. Displays the communication configuration settings to be written.
2. Displays the progress during writing communication configuration settings.
3. Click the [Write] button to write the communication configuration settings.
4. Displays the communication configuration settings to be read.
5. Displays the progress during reading communication configuration settings.
6. Click the [Read] button to read and display the settings of the pump.
7. Click the [Abort] button to terminate to read or write.
8. Click the [Reselect] button to return to the “Pump selection” screen, and select a different pump.
9. Click the [End] button to return to the “main menu” screen.
1) Clicking the [Write] button will write communication configuration settings to be used to the pump.

**Notes**

- The background is displayed in grey for settings in which communication configuration has not been done. The background is displayed in pink when IP settings for communication environment Settings are selected with [Manual] and IP address is not set for pump information management. Communication configuration settings with these background colours cannot be used by a pump.
- To make the write settings effective, re-boot the pump (or rack).
Change of Pump comm. No. screen/Change of Rack comm. No. screen
Select the communication configuration settings No. to be used, and write to the pump (or rack).

1. Displays and allows the selection of the communication configuration settings No. to write to. When the settings made in the network settings selection are effective, the number of the effective communication setting is displayed. Nothing is displayed if the communication setting is not effective.

2. Nothing is displayed.

3. Displays the progress during writing the communication configuration settings No.

4. Click the [Write] button to write the communication configuration settings No.

5. Displays the effective communication configuration settings No.

6. Displays the communication configuration settings read.

7. Displays the progress when read communication configuration settings from the pump.

8. Click the [Read] button to read and display the settings of the pump.

9. Click the [Abort] button to terminate to read or write.

10. Click the [Reselect] button to return the "Pump selection" screen, and select a different pump.

11. Click the [End] button to return to the "main menu" screen.
1) Select the communication configuration setting table number to be used at “comm. config. No.”
2) Click the [Write] button to write the number of the communication configuration to the pump.

Note

- To make the write settings effective, re-boot the pump (or rack).
Drug Library Management

Allows you to transmit or receive drug library files. Select [<IP> Drug library] or [<SP> Drug library] from the “main menu” screen. The “Pump selection” screen will be displayed.

◆ Pump selection screen

1. Click “All Select” to select all the pumps on the list.
2. Click “All Clear” to deselect all the currently selected pumps.
3. Select the pump to transmit or receive a drug library file. (Multiple pumps can be selected.)
4. Click the [Back] button to return to the “main menu” screen.
5. Click the [Next] button to display the “Drug library” screen.
Operation Procedure

◆ Drug library screen

1. Click the [Select] button to set the destination folder to save drug library received from pumps as files.
   Displays the specified folder as the default setting with [Tool configuration] - [Save path setting].
2. Click the [Receive] button to start receiving a drug library from a pump.
3. The drug library file to be transmitted to a pump can be selected.
4. Click the [Clear] button to clear the drug library files written to the pump.
5. Click the [Transmit] button to start transmitting the drug library file to the pump.
6. Displays the progress of the drug library "receiving or transmitting".
7. Click the [Abort] button to halt the drug library "receiving or transmitting".
8. Click the [End] button to finish the drug library "receiving or transmitting". Return to the 'main menu' screen.

Cautions

- Drug library files should be used, which are created using the TERUFUSION Dose Analyzer with Drug Library Manager or TERUFUSION Drug Library Manager.
- A drug library file can only be transmitted to a pump when the pump display language setting at installation is consistent with the pump language setting.
1) Select the drug library file to transmit to the pump from the [library file Transmit] list box.

2) Click the [Transmit] button. The process of transmitting the drug library file to the pump starts.

3) During transmitting, the type and serial number of the pump are displayed and the progress bar indicates progress.

4) When the transmit process is completed, transmit results are displayed.

5) Click the [End] button to close the drug library screen and return to the "main menu" screen.
Receiving a Pump History

Receive a pump history from the pump.

Select [Pump history] from the "main menu" screen.

◆ Receiving a pump history (Pump selection)

The "Pump selection" screen will be displayed. Refer to the section "Drug Library Management" for the "Pump selection" screen details.

1) Selecting [Pump history] at the "main menu" screen will display the "Pump selection" screen. Select a pump to receive its histories. (Multiple pumps can be selected.)

2) Click the [Next] button. The "Pump history" screen will be displayed.
1. Click [Receive] button to start receiving the pump history.
2. Displays the pump history.
   “Progress” monitors the receive progress status. The number of received histories/The number of histories to be received is displayed.
   “Status” displays the communication status with the pump. When connecting, “CONT” is displayed, when pump history is successfully received, “PASS” is displayed, and when pump history receiving fails, “FAIL” is displayed.
   “Type” displays the type of pump.
   “S/N” displays the pump’s serial number.
   “Nickname” displays the pump’s nickname.
3. The pump history receive status is displayed as “The number of read completed pumps/The total number of pumps to be read”.
4. Click the [Abort] button to halt receiving the pump history.
5. Click the [End] button to return to the ‘main menu’ screen.
1) Click the [Receive] button to start receiving pump history from the pump. The “Receiving Pump History” screen is displayed.

2) During the receive, the “Progress” displays “The number of received histories/The number of histories to be received” to indicate progress. The [Progress bar] displays the progress as “The number of received pumps/The number of total pumps to be received”.

3) When the receive is completed, the result is displayed in the “Status”.
4) Click the [End] button to finish receiving pump history and return to the “main menu” screen.

Note
• When multiple pumps are selected, if the receive fails, “FAIL” is displayed in the “Status”, and the receive process will start for the next pump.
Browsing Pump or Rack Status

Select [Status] from the ‘main menu’ screen to display the status screen.

◆ Status screen

1. Select the type. This allows the displayed information to be filtered by the type.
2. Select or enter the serial number. This allows the displayed information to be filtered by the serial number. 0 to 9999999999 (max 10 digit number)
   The serial number of pumps (or racks) is filtered using prefix matching.
3. Displays drug library update date and time, communication configuration update date and time, history receive date and time, communication configuration switching date and time of pump (or rack) with its type, serial number and nickname. Select the pump (or rack) to display detailed information from the list.
   - Update and read dates and times for the data that is not read or written are displayed as "-".
   - Update and read dates and times for the function that cannot read or write are displayed in grey.
   - If drug library update or communication configuration update or communication configuration switching has failed, update date is displayed in red.
4. Click [File Export] to export all the pump and rack status information to a file.
5. Click [Display History] to display the “individual history” screen for the selected pump (or rack) separately for each device.
Operation Procedure

◆ Individual history screen

1. Displays the pump (or rack) type, serial number, and nickname.
2. Select the item to display detailed information.
3. Click [File Export] to export the history information about the selected pump (or rack) to a file.
4. Click [Check details] to display the detailed information about the selected pump (or rack).
   - If a pump history is selected, the "Pump history" screen will be displayed. Otherwise, the content of the read or transmitted files will be opened in Text Editor.
5. Click [Back] to return to the "Status" screen.
Operation Procedure

◆ Pump history screen

1. Displays the type, serial number and nickname of the pump.
2. “Display period” can be changed from the pull-down menu or by direct input.
3. Displays pump history. Refer to the pump instruction manual for details.
4. Click [File Export] to export the pump history to a file.
5. Click [Back] to return to the "Individual history" screen.
How to Connect to Pump/Rack

This software can be connected to a pump (or rack) via RS-232C, wireless, or wired LAN. Connection methods and points to consider are listed below.

<table>
<thead>
<tr>
<th>Catalogue number</th>
<th>Connection method with PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-LF602XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TE-LM702XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TE-LM800XXX</td>
<td>Via rack/Wireless LAN</td>
</tr>
<tr>
<td>TE-SS702XXX</td>
<td>RS-232C</td>
</tr>
<tr>
<td>TE-SS800XXX</td>
<td>Via rack/Wireless LAN</td>
</tr>
<tr>
<td>TE*RS800N03</td>
<td>RS-232C/Wired LAN/Wireless LAN</td>
</tr>
</tbody>
</table>

(XXX = EN1, EN2, DE1, FR1, IT1, IT3, NL1, RU1, ES1, SV1, NO1, DA4, PL1, HU1, SK1)

Note
• COM ports used for communication tools are set with configuration file (FPPCM.INI). If the connection cannot be established, click [Start] - [Control Panel] - [Device Manager] to check the COM port, and make sure it is consistent with the configuration file’s content. (How to start up the device manager differs according to OS types.) The configuration file (FPPCM.INI) is stored in the following folder.
  Windows XP:
  C:\Documents and Settings\All Users\Application Data\Terumo_CQI\CQI_comm_tool\Setting
  Windows Vista and beyond:
  C:\ProgramData\Terumo_CQI\CQI_comm_tool\Setting.

◆ When connecting via RS-232C
Connection can be made to a pump and rack via RS-232C.
◆ When connecting via wired LAN
Connection can be made to a rack via wired LAN.

● Rack Connection Example
When connecting to a rack via wired LAN, click [Comm. Setting] - [Rack Comm. Table] - [Edit of rack comm. Table] to select "LAN" or "LAN and WLAN" for "WLAN/LAN Select".

Configuration diagram of wired LAN

![Diagram showing wired LAN connection with TERUFUSION Data Communicator, DHCP Server, and Rack connected via wired LAN.]
Operation Procedure

◆ When connecting via wireless LAN
  Connection can be made to enabled pumps and racks via wireless LAN (transmission standard: IEEE802.11b).

  ● Pump Connection Example
    When connecting to a pump via wireless LAN, click [Comm. Setting] - [Pump Comm. Table] - [Edit of pump comm. Table] to set the communication environment.

  ● Rack Connection Example
    When connecting to a rack via wireless LAN, click [Comm. Setting] - [Rack Comm. Table] - [Edit of rack comm. Table] to select 'WLAN' or 'LAN and WLAN' for 'WLAN/LAN Select'.

![Configuration diagram of wireless LAN]

**Note**
- When more than one method is used for connection, communication may be interrupted.
## Troubleshooting

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Occurrence</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Unable to install.</td>
<td>The current PC environment is not suitable.</td>
<td>Confirm system requirements and install the necessary items to the PC.</td>
</tr>
<tr>
<td>Log in</td>
<td>Unable to log in.</td>
<td>Wrong case.</td>
<td>User ID and password are case sensitive. Please check your registered user ID and password and re-enter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Forgot ID and/or password.</td>
<td>Please contact your system administrator for your user ID and password. Password can be initialized at [User list]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>Ask the systems administrator to set password to default, and change the password at initial log in.</td>
</tr>
<tr>
<td>Password change.</td>
<td></td>
<td></td>
<td>Authorization is set for displayable screens. Check with the system administrator regarding authorization for the logged in User ID.</td>
</tr>
<tr>
<td>Screen Display</td>
<td>The screen will not display.</td>
<td>Screen authorization is not set for the log in user to view.</td>
<td>Authorization is set for displayable screens. Check with the system administrator regarding authorization for the logged in User ID.</td>
</tr>
<tr>
<td>Receive History File</td>
<td>The file will not generate.</td>
<td>The file save destination does not exist.</td>
<td>Check the history file's save destination displayed in [System setting] - [Tool configuration] - [Save path setting] - [History File].</td>
</tr>
<tr>
<td>Send Drug Library File</td>
<td>Drug Library File will not be displayed.</td>
<td>There is no file read destination.</td>
<td>Check the displayed drug library file read destination by going to [System setting] - [Tool configuration] - [Save path setting] - [Drug library File].</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language settings differ for target pump and drug library file.</td>
<td>The same language setting must be used for target pump and drug library file. Check the language setting with a system administrator.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Language settings differ for target pump and this software.</td>
<td>The same language setting must be used for target pump and this software. Check the language setting with a system administrator.</td>
</tr>
<tr>
<td>Communication</td>
<td>Unable to communicate with pumps (or racks).</td>
<td>The pump (or rack) power is turned off.</td>
<td>Turn on the pump (or rack) and start communication again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The serial port is not set correctly (for RS-232C).</td>
<td>Check the serial port number and change the set file's port number.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The port in use is blocked (for LAN and WLAN). (Firewall, etc.)</td>
<td>Check security settings.</td>
</tr>
<tr>
<td>Disposal</td>
<td>Unable to delete data.</td>
<td>Certain files are not deleted when uninstalling.</td>
<td>Uninstalling this software will not delete history files or drug library files. If you need to delete files, check the save folder and delete the desired files individually.</td>
</tr>
</tbody>
</table>
This section describes the symbols (icons) used with the TERUFUSION Data Communicator.

### Description of Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description of Symbols</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>TERUFUSION Data Communicator is in conformance with the Medical Device Directive, 93/42/EEC.</td>
<td>#</td>
<td>Contents</td>
<td>%</td>
<td>Humidity limitation</td>
</tr>
<tr>
<td>ECREP</td>
<td>Authorized representative in the European Community</td>
<td>i</td>
<td>Consult instructions for use</td>
<td>n</td>
<td>Stacking limit by number</td>
</tr>
<tr>
<td>LOT</td>
<td>Batch code</td>
<td>🍷</td>
<td>Fragile, handle with care</td>
<td>🍻</td>
<td>TERUFUSION Dose Analyzer with Drug Library Manager</td>
</tr>
<tr>
<td>REF</td>
<td>Catalogue number</td>
<td>☔️</td>
<td>Keep dry</td>
<td>🕵️</td>
<td>TERUFUSION Drug Library Manager</td>
</tr>
<tr>
<td></td>
<td>Date of manufacture</td>
<td>☀️</td>
<td>Keep away from sunlight</td>
<td>📲</td>
<td>TERUFUSION Data Communicator</td>
</tr>
<tr>
<td></td>
<td>Manufacturer</td>
<td>🕒</td>
<td>Temperature limit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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• If this product should fail to perform as intended, immediately stop using the product and contact the nearest branch or sales office of TERUMO Corp.

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