User's Manual

PC-Based Measurement Instruments
WE7000
Setup Guide for Windows Vista

Thank you for purchasing the PC-Based Measurement Instruments, WE7000.
This setup guide describes how to install the following WE7000 software drivers and
applications to Windows Vista.
- USB driver
- WE7000 Control Software
- Optical interface card driver
- Computation Function Setup Software
- Remote Monitor Add-On Software

For information on how to use the software drivers and applications, see the respective
manuals or contact your nearest YOKOGAWA dealer.

Notes

- **The contents of this manual describe WE7000 Control Software Version 5.2.3.0.
  If you are using another version, the operating procedures or the figures given
  in this manual may differ from those of the actual software.**
- The contents of this manual are subject to change without prior notice as a result of
  continuing improvements to the instrument's performance and functions.
- Every effort has been made in the preparation of this manual to ensure the accuracy
  of its contents. However, should you have any questions or find any errors, please
  contact your nearest YOKOGAWA dealer.
- Copying or reproducing all or any part of the contents of this manual without
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Revisions

1st Edition: April 2008

Contents

1 System Requirements

Hardware

- **PC**
  OS: Microsoft Windows Vista; CPU: 1 GHz or faster
  To use the WE7035/WE7036 optical interface card, the PC must have a high-profile PCI bus expansion slot.
- **Internal Memory**
  1 GB or more
- **Hard Disk**
  The hard disk must have 15 GB or more of free space.
- **Drives**
  A CD-ROM drive is necessary to set up the WE7000 Control Software.
- **Mouse or Pointing Device**
  Must be Windows Vista compatible
- **Display**
  Windows Vista compatible display with a resolution of 1028 × 768 (XGA) or higher and with 65536 colors (highcolor) or more
- **Communication Interface Card**
  A Windows Vista compatible Ethernet port is necessary to connect to an Ethernet network (10BASE-T/100BASE-TX).
  To communicate through optical fiber cable, a Yokogawa WE7035/WE7036 optical interface card (707035/707036) must be installed.
- **USB**
  Must be Windows Vista compatible
- **Printer**
  The printer driver must be Windows Vista compatible.

OS

Microsoft Windows Vista

> *Note*
>
> If you click **Adjust font size (DPI)** (accessible by clicking Control Panel > Appearance and Personalization > Personalization) and set the font size to **Larger scale (120 DPI)**, the WE7000 Control Software will not display text properly. Be sure to select **Default scale (96 DPI)**, when you use the WE7000 Control Software.

2 Installing the USB Driver

You must install the USB driver for the Measuring Station to be able to communicate with a PC via USB. Both USB 1.1 and USB 2.0 are supported.
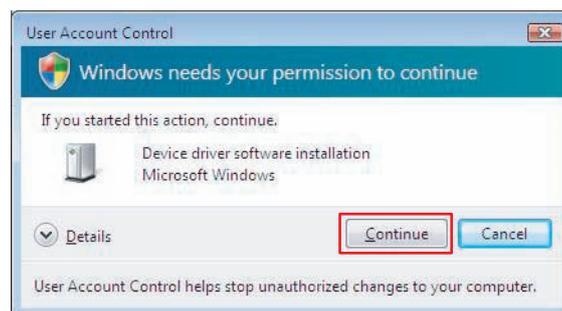
Before Installation

Have the WE7000 Control Software Setup Disk (CD-ROM, Ver. 5.2.3.0 or later) that came with the Measuring Station ready. Close all applications before you install the software.
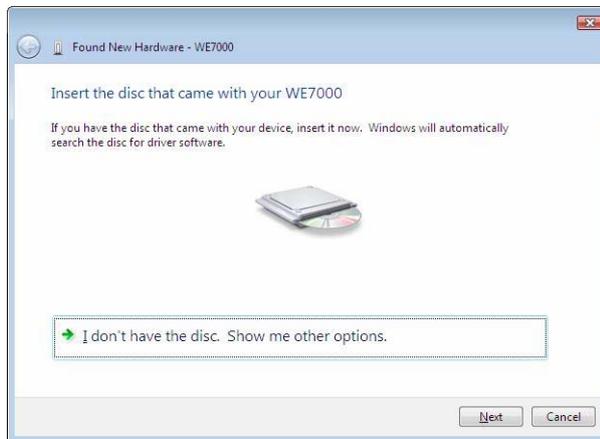
Installation

1. Turn the Measuring Station and the PC on.
2. The following dialog box opens when you first connect the WE500 or WE900 to a PC with a USB cable.[*] Click **Locate and install driver software (recommended)**.
   * For instructions on how to connect a USB cable, see the *PC-Based Measurement Instruments WE7000 User's Manual (IM707003-01E)*.

3. The following dialog box opens. Click **Continue**.

4. The following dialog box opens. Follow the dialog box instructions and put the WE7000 Control Software Setup Disk (CD-ROM, Ver. 5.2.3.0 or later) that came with the Measuring Station into the CD-ROM drive.
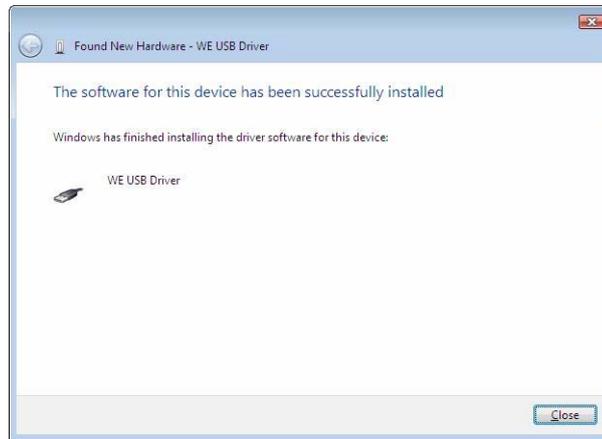

5. The **Windows Security** dialog box opens. Click **Install this driver software anyway**.

6. The following dialog box opens after the installation finishes successfully. Click **Close**.

Confirming Driver Installation

7. On the task bar, click **Start**, and then click **Control Panel** > **Hardware and Sound** > **Device Manager**.

If the USB driver has been properly installed, the **Device Manager** window opens.

USB driver
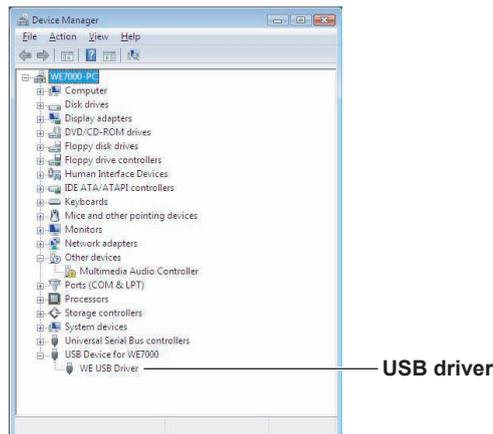
3   Setting Up the WE7000 Control Software

Before Setting Up

Have the WE7000 Control Software Setup Disk (CD-ROM, Ver. 5.2.3.0 or later) that came with the Measuring Station ready. Close all applications before you set up the WE7000 Control Software.

Note

To connect via USB or optical interface, you must first install the appropriate drivers. For information about installing the drivers, see the following sections in this manual:

USB driver   Chapter 2, "Installing the USB Driver"

Optical interface driver   Chapter 4, "Installing the Optical Interface Driver"

You must also configure network settings beforehand if you intend to communicate via Ethernet. For information about how to configure the appropriate settings, see section 3.2, "Configuring the TCP/IP Settings of the PC," in IM707003-01E.

Setting Up

1. Turn on the PC.

2. Put the WE7000 Control Software Setup Disk into the CD-ROM drive. A startup window will appear automatically. When the startup window appears, confirm that **WE7000 Control Software** is displayed in the box, and click **Install Start...**.

   If you have disabled the CD-ROM Autorun feature, use Windows Explorer to run Autorun.exe manually.

Note

To view the WE7000 Control Software help, you must have Adobe Acrobat Reader version 3.0 or later.
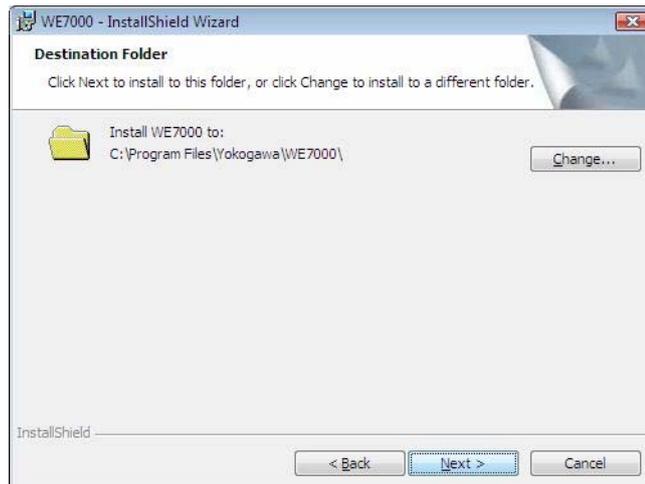
3. The setup program starts, the setup window opens, and the following dialog box opens. Click **Next**.

4. A dialog box for selecting the destination folder opens.

   The default folder is **C:\Program Files\YOKOGAWA\WE7000**. Change the folder if necessary, and then click **Next**.

5. The **Create Shortcut Icons for Different Communication Methods** dialog box opens. Select the communication methods you will use, and then click **Next**.

To start the WE7000 Control Software, a startup option (the startup operation listed after "WE7000.exe" in a shortcut link) that matches the communication method to be used is necessary. When you perform this operation, startup options are added automatically. The startup options are set as follows by default.
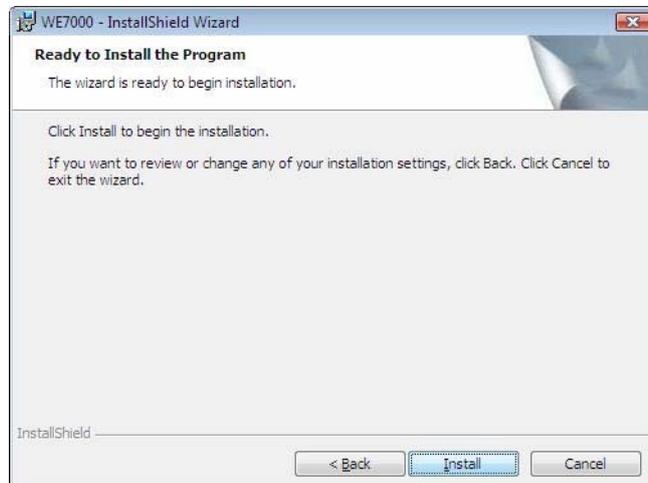
Optical: "-comm optical DEVICENAME=WE7036"

Ethernet: "-comm ethernet PORTNO=34191 GROUPNO=0"

USB: "-comm USB"

6. The following dialog box opens. Click **Install**.

7. The **User Account Control** dialog box opens. Click **Allow** to begin installation.
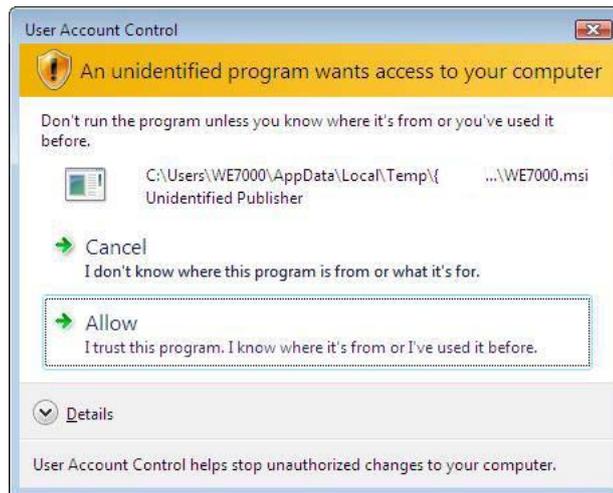
*8.* If the software has been properly installed, the following dialog box opens. Click **Finish**.

The following WE7000 shortcut icons will appear if you selected their corresponding communication methods in step 5. These icons will also appear as menu items in the Start menu.

Startup Options

If you right-click a WE7000 shortcut icon and click **Properties**, the following dialog box opens. The startup option selected in step 5 is written in the Target box under the Shortcut tab. After setting up the WE7000 Control Software, if you would like to change the startup option, change the settings in the Target box. For information on how to do this, see section 3.6, "Configuring Ethernet Communications of the WE7000 Control Software," in IM707003-01E.
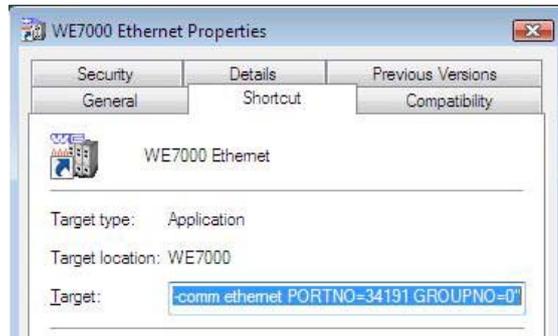
4   Installing the Optical Interface Driver

You must install an optical interface card driver (for the WE7035 or WE7036) for the Measuring Station to be able to communicate with a PC via optical interface.

Before Installation

Confirm BIOS Settings

Windows Vista lets the BIOS handle the PnP feature. Check to see if the BIOS configuration screen has an option to use a PnP OS. If such an option exists, disable it. The driver will not function properly if this setting is enabled.

If a PnP OS option cannot be found on the BIOS configuration screen, it is not clear whether the feature is enabled or not. In this case, even if you install the driver correctly, it may not function properly.

For information on how to display the BIOS configuration screen, refer to your PC user's manual.

Installation

1. Turn the PC on after installing the PCI optical interface card.*
   * For instructions on how to install the optical interface card, see the *Optical Interface User's Manual (IM707035-01E)*.

2. Log on as an administrator.

3. The following dialog box opens. Click **Don't show this message again for this device**.

4. Put the WE7000 Control Software Setup Disk (CD-ROM, Ver. 5.2.3.0 or later) that came with the Measuring Station into the CD-ROM drive.

5. On the task bar, click **Start**, and then click **Control Panel** > **Hardware and Sound** > **Device Manager**. The window shown below opens. Click **Other PCI Bridge Device** under **Other devices**.
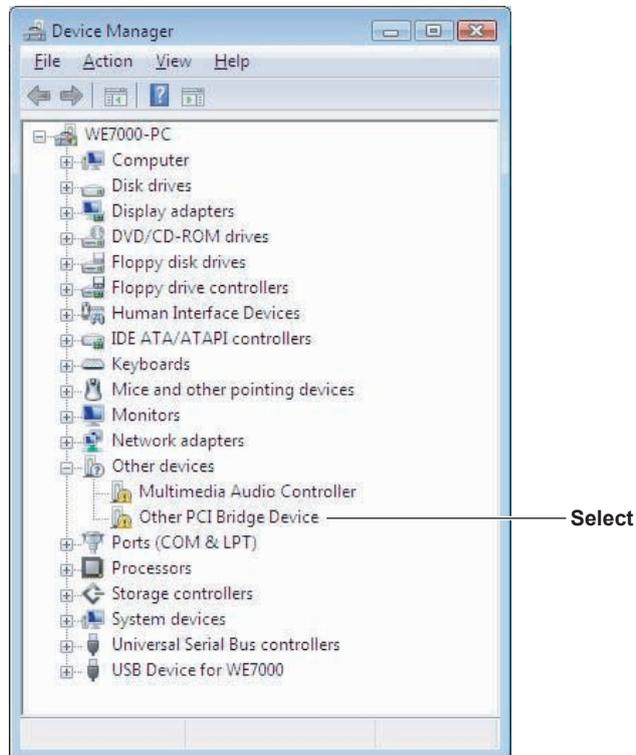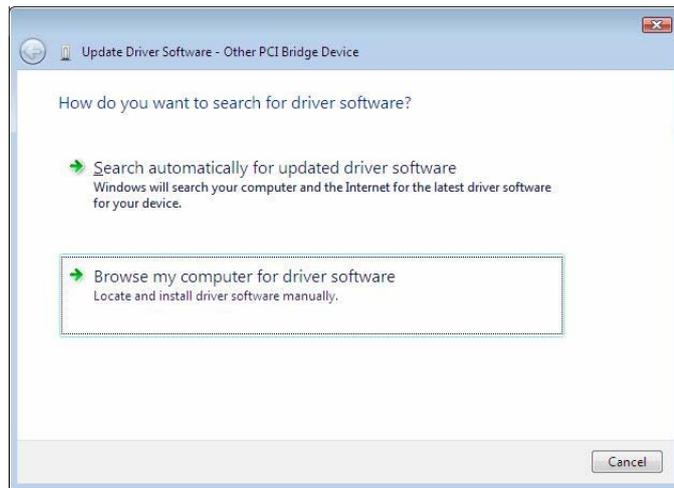

6. The **Other PCI Bridge Device Properties** dialog box opens. Click **Reinstall Driver**, and then click **OK**.
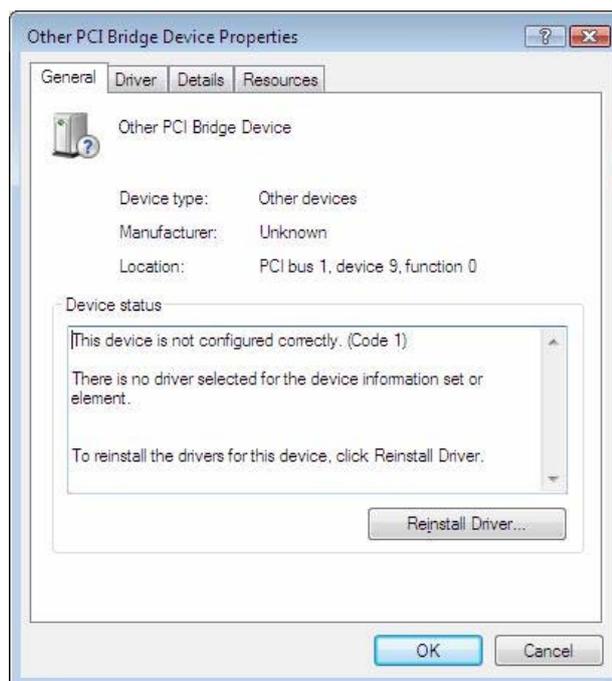
7. The following dialog box opens. Click **Browse my computer for driver software**.

8. The following dialog box opens. Click **Let me pick from a list of device drivers on my computer**.
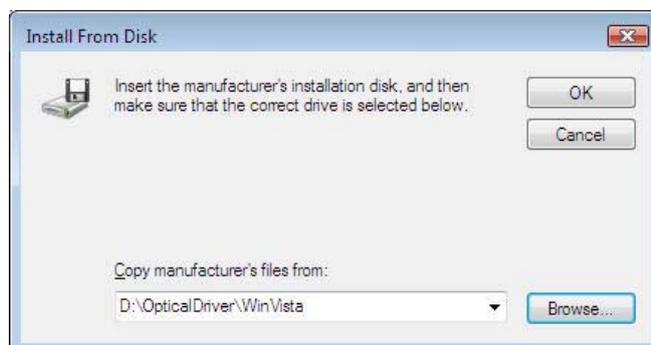
9. The following dialog box opens. Select **Show All Devices**, and then click **Next**.
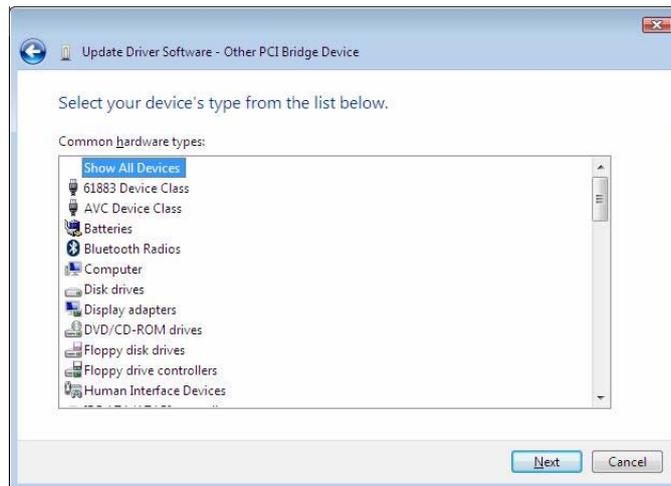
10. The following dialog box opens. Click **Have Disk**.

11. The following dialog box opens. In the **Copy manufacturer's files from** box, enter the CD-ROM directory that contains WE7000.inf (if the CD-ROM is in the D drive, the directory is D:\OpticalDriver\WinVista), and click **OK**.
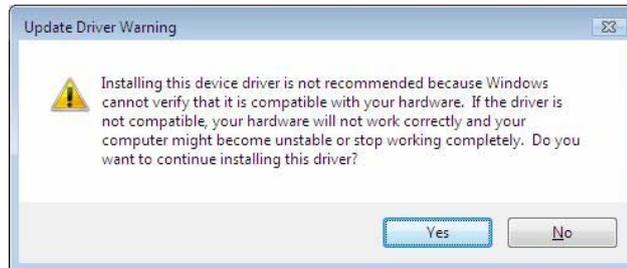
12. The following dialog box opens. Under **Model**, select **WE7035/6 Optical Interface PCI Card**, and then click **Next**.
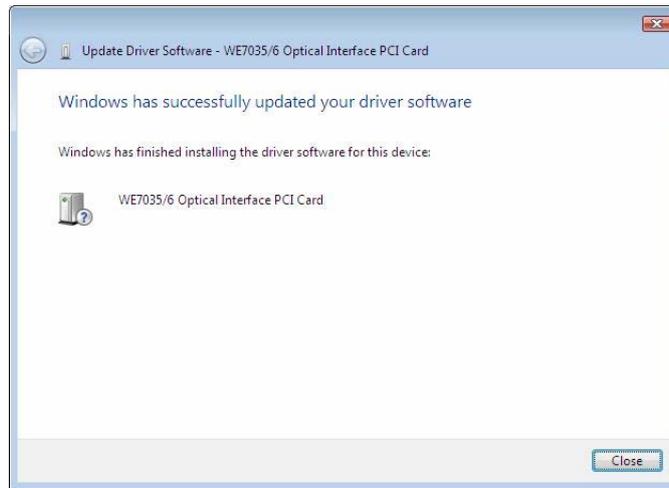
13. The **Update Driver Warning** dialog box opens. Click **Yes**.
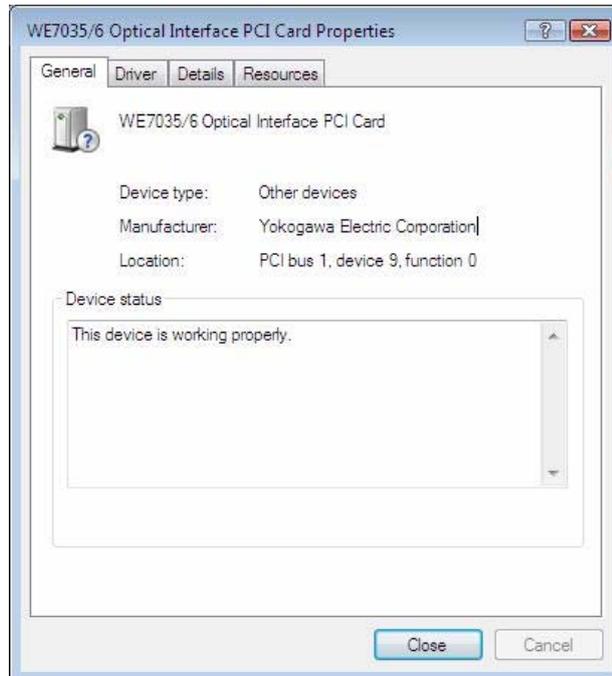
14. The **Windows Security** dialog box opens. Click **Install this driver software anyway**.

15. If the software has been properly installed, the following dialog box opens. Click **Close**.
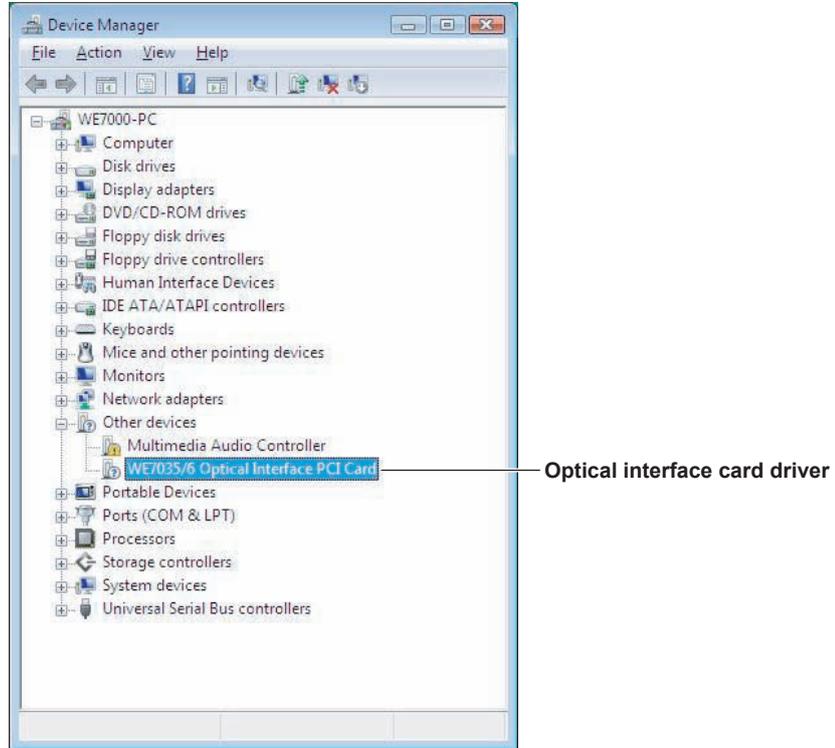

16. The following dialog box opens. Click **Close**.

Confirming Driver Installation

17. Follow the procedure in step 5 to open the **Device Manager** window.

If the optical interface driver is installed correctly, "WE7035/6 Optical Interface PCI Card" will appear beneath "?Other devices," as shown in the figure below.

Optical interface card driver

Note

If an "x" or "!" appears over the icon where the "?" is, the driver is not functioning properly. Delete the driver by selecting WE7035/6 Optical Interface PCI Card and clicking the delete icon. Next click **View** and then **Resources by type** to change the Device Manager display, and confirm the resource allocation condition. Arrange resources so that they can be assigned to the WE7035/6 Optical Interface Card, by for example configuring IRQ settings, and then reinstall the WE7035/6 Optical Interface PCI Card driver.

Before You Start the WE7000 Control Software

In the properties for the WE7000 Control Software shortcut, check that the following is written in the **Target** box. If something else is written in the box, write this instead.

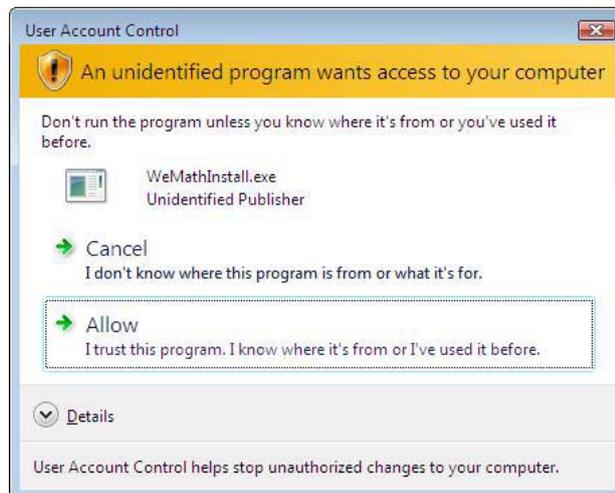"...WE7000.exe" "-COMM OPTICAL DEVICENAME = WE7036" (when using the WE7036)

5 Installing the Computation Function Setup Software
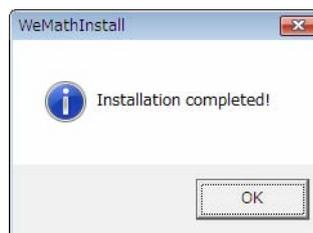
Before Installation

The optional Computation Function Setup Software (model: 707702) can only be installed to a PC if the WE7000 Control Software (Ver. 5.2.3.0 or later) is installed first. Prepare a backup of the setup disk for the software. Close all applications before you install the software.

Installation

1. Turn on the PC and start up Windows.
2. Put the setup disk into a floppy disk drive.
3. Select the floppy disk drive, and display a list of its files.
4. Double-click **WeMathInstall.exe**.
5. The **User Account Control** dialog box opens. Click **Allow** to begin installation.

6. If the software has been properly installed, the following dialog box opens. Click **OK**.
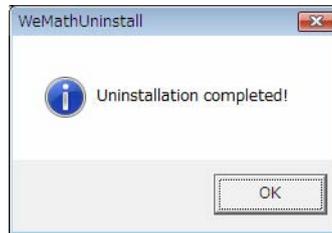
Note

Uninstalling the Computation Function Setup Software

- Double-click **WeMathUninstall.exe** in the setup disk. The **User Account Control** dialog box opens. Click **Allow** to begin uninstallation. The following dialog box opens.

- For information about how to use computation functions, see the *Computation Function Setup Software User's Manual (IM707702-61E)*.
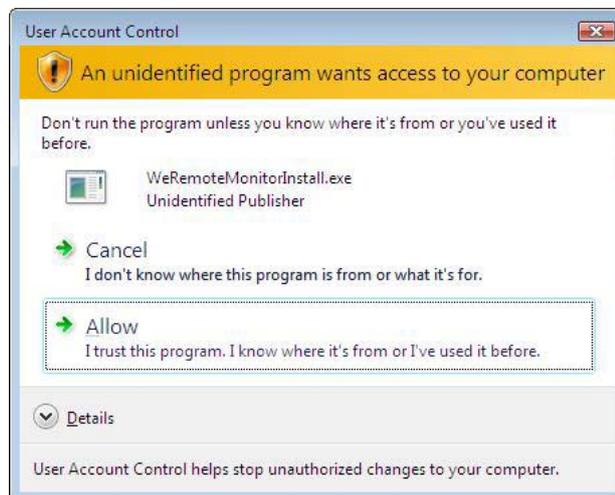
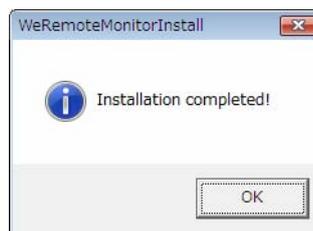# 6 Installing the Remote Monitor Add-On Software

Before Installation

The optional Remote Monitor Add-On Software (model: 707703) can only be installed to a PC if the WE7000 Control Software (Ver. 5.2.3.0 or later) is installed first.
Prepare a backup of the setup disk for the software. Close all applications before you install the software.

Installation

1. Turn on the PC and start up Windows.
2. Put the setup disk into a floppy disk drive.
3. Select the floppy disk drive, and display a list of its files.
4. Double-click **WeRemoteMonitorInstall.exe**.
5. The **User Account Control** dialog box opens. Click **Allow** to begin installation.

6. If the software has been properly installed, the following dialog box opens. Click **OK**.
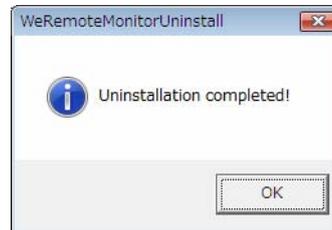
Note _____

Uninstalling the Remote Monitor Add-On Software

- Double-click **WeRemoteMonitorUninstall.exe** in the setup disk. The **User Account Control** dialog box opens. Click **Allow** to begin uninstallation. The following dialog box opens.

WeRemoteMonitorUninstall	✖
(i) Uninstallation completed!	
OK	

- For information about how to use remote monitor functions, see the *Remote Monitor Add-On Software User's Manual (IM707703-61E)*.