



Installation

System requirements (minimal)

Computer	Pentium 4, 1 GHz (or comparable)
Operating system	Windows 2000 SP1, Windows XP Professional
Memory	Program: 150 MB Data: 2 GB (for about 5000 determinations)
RAM	512 MB
Serial ports	for devices with RS232 interface
USB ports	for devices with USB interface

The windows user must have administrator rights in order to be able to install the **tiamo** software.

Additional requirements for the **tiamo server**:

Network	10 MBit/s, stable and permanent
Operating system	Windows 2000 SP1, Windows XP Professional, Windows 2000 Server, Windows 2003 Server

Single workplace installation

With this version the **tiamo** workplace and database will be installed on your computer.

1. On inserting the CD into the drive of your computer the installation will be started automatically. If this option is deactivated on your computer double click the file **setup.exe**.

If the minimum system requirements are not met (see above) a message appears. Click on **[Yes]** if you like to install the program nevertheless.

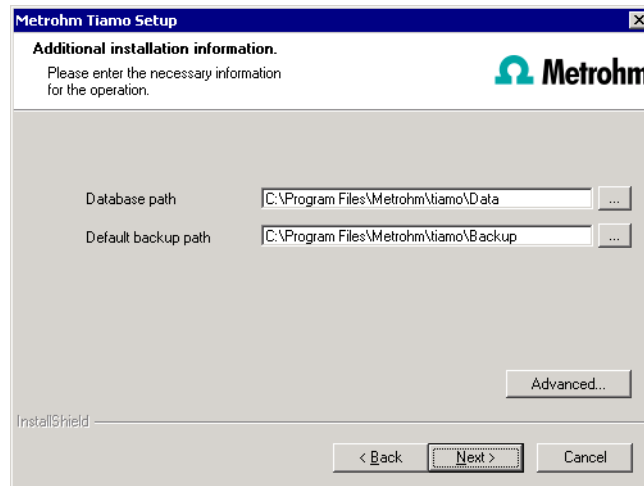
Afterwards, click on **[Next]**.

2. After having read the license agreement for **tiamo** and accepting it with **[Yes]** a window will appear where you can enter the license code. **Depending on the license code** which you have received together with the **tiamo** software the assistant will guide you through the installation of the corresponding version:

- **light** (single workplace version, max. 2 peripheral instruments)
- **full** (single workplace version, peripheral instruments unlimited)

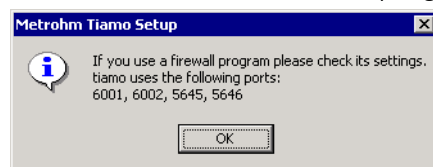
Confirm your entry with **[Next]**.

3. Now enter the destination folder for the **tiamo** installation and confirm with **[Next]**.
4. In the dialogue window **Additional installation information** you can define the path for the database and backup files:



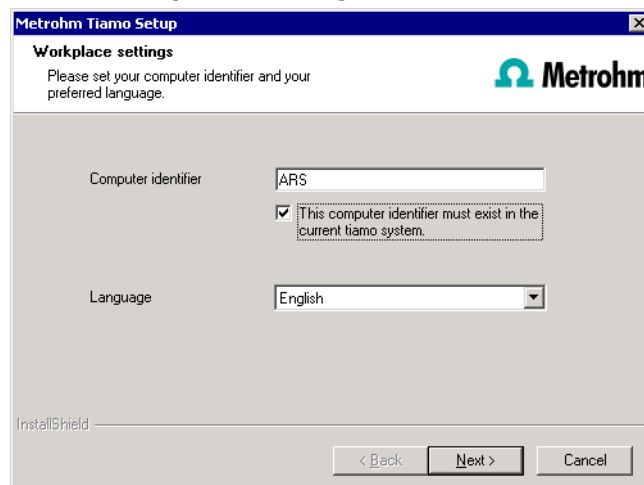
Under **Advanced...** it is possible to change the ports **tiamo** uses to communicate with the database and administration server. If the ports are in use already, an appropriate message will appear. Ask your system administrator for more information about this. Continue with **[Next]**.

5. Follow the instructions of the program until the following message appears:



This message points out which ports **tiamo** uses. Write down these ports and inform your system administrator in case **tiamo** is not able to connect to the database. Confirm the message with **[OK]**.

6. As soon as the copying procedure has been terminated you can carry out further **Workplace settings**:



The option "**This computer identifier must exist in the current tiamo system.**" is only selectable if a database entry already exists from a previous installation on your computer or if you want to connect to a database server which has already been installed on an other computer.

If you activate this option **tiamo** checks whether the identifier you have entered exists in the database. If this is true the identifier and all associated settings will be adopted. With this option a renewed installation of a client is much easier.

Click **[Next]**. If the database ports are not available, an appropriate message will appear and the installation will be aborted. In this case, check your server and firewall settings before starting the installation again.

7. At the end of the installation the file **info.txt** will be created which contains all relevant information concerning your current **tiamo** installation. Save this file on your computer in case of need in future and print it (add to IQ). Complete the installation with **[Finish]**.

An InstallLog file with a list of all files having been copied to your computer and with a confirmation for a successful installation is saved in the **tiamo** installation folder (default: C:\Program Files\Metrohm\tiamo) under bin\InstallLog.

Client/Server installation

With the **tiamo multi** version (multiple workplace version with 3 licenses) you can choose during the installation whether you want to install a **client** (workplace) or the **server** (incl. a client) on your computer.

If you only want to install a client the server to which your client will be connected has to be installed in advance.

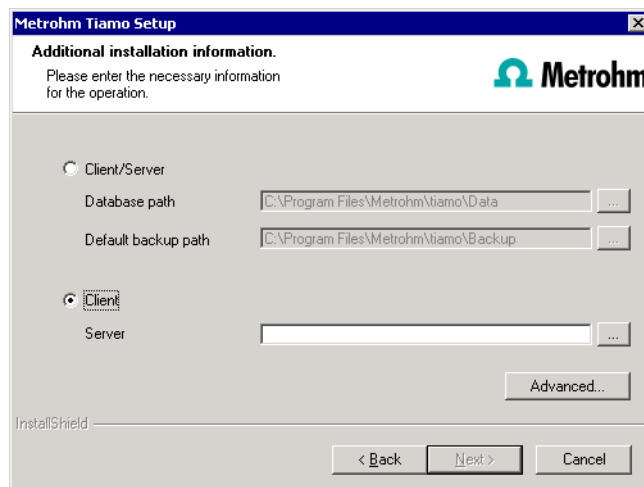
1. On inserting the CD into the drive of your computer the installation will be started automatically. If this option is deactivated on your computer double click the file **setup.exe**.

If the minimum system requirements are not met (see above) a message appears. Click on **[Yes]** if you like to install the program nevertheless.

Afterwards, click on **[Next]**.

2. After having read the license agreement for **tiamo** and accepting it with **[Yes]** a window will appear where you can enter the license code. Enter your **tiamo multi** license code and click **[Next]**.
3. Now enter the destination folder for the **tiamo** installation and confirm with **[Next]**.

4. The dialogue window **Additional installation information** appears where you can choose whether you want to install a **client** or the **server**:



The option **Client/Server** installs the workplace and the database server on your computer. Choose this option if your computer will be used as **server**.

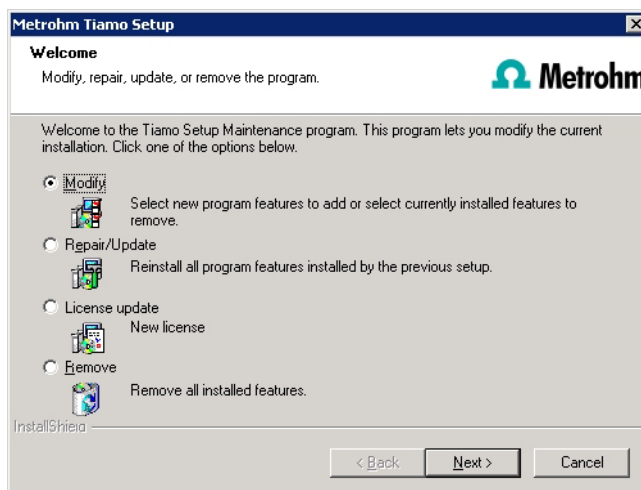
With **Client** only the workplace will be installed and with [...] you have to choose the database server (has to be installed in advance!) to which you want to connect. The network server name or the IP address are accepted.

Under **Advanced...** it is possible to change the ports **tiamo** uses to communicate with the database and administration server. If the ports are in use already, an appropriate message will appear. Ask your system administrator for more information about this. Continue with **[Next]**.

5. All further installation steps correspond to those of the single workplace installation from **point 5**.

Modify / repair / remove installation and renew license

In order to carry out modifications on your current **tiamo** installation double click the file **setup.exe** on the installation CD or under **Control panel/Add/Remove Programs** click on **Metrohm Tiamo 1.3**. Then choose **Change/Remove**:



Modify: With this option you can change the path to the database and backup files and set the ports which **tiamo** uses for communication. With the **tiamo multi** version you can additionally change the path to the database server.

Repair/Update: In case of a defective **tiamo** installation because e.g. a DLL file is missing or a program file has been deleted by mistake **tiamo** can be repaired with this option.

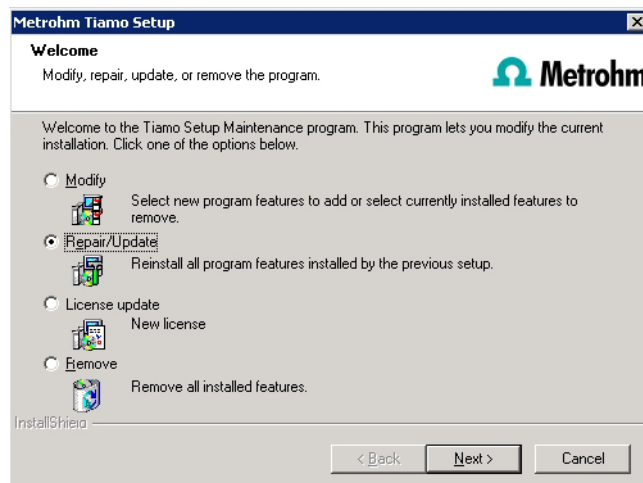
License update: This option allows you to directly update your current **tiamo** installation to a higher version: **light** → **full** and **full** → **multi**. In order to do this enter your **new** license code in the next dialogue window.

Remove: This removes your **tiamo** installation. Data which has been generated after the installation (e.g. database entries, log files, exported data etc.) will remain on your hard disk.

Program update with *tiamo light/full*

At the program update, the configuration database (system configuration, methods, templates) and the determination databases are automatically updated for further use with *tiamo* 1.3. All files in the database directory, in the backup directory, and in the sub-directory **bin** are maintained. The files in the sub-directories **jre**, **lib**, **res**, **doc**, and **examples** are deleted.

1. Save the configuration database into an external directory using the backup function of *tiamo*. For that, select the menu item **File/Save/Manually** in the program part **Configuration**. Select the **Backup directory**, enter a name for the backup file and click on **[Start]**. The backup is finished automatically. It is recommended to copy the backup file to CD/DVD.
2. If desired, export the methods in addition to the automatic backup with the configuration database (see above) into an external directory. For that, select the menu item **File/Method Manager** in the program part **Method**. Select the desired **Method group**, mark all methods to be exported and click on **Edit/Export**. Select the desired export directory and click on **[OK]**. The methods are exported into the desired directory. It is recommended to copy the exported methods to CD/DVD.
3. Save all determination databases created by yourself into an external directory using the backup function of *tiamo*. For that, select the menu item **File/Database Manager** in the program part **Database**. Select the desired database and click on **[Backup]**. Select the **Backup directory**, enter a name for the backup file and click on **[Start]**. The backup is finished automatically. It is recommended to copy the backup file to CD/DVD.
4. Save further files created by yourself in the installation directory (e.g. export files) into an external directory or to CD/DVD.
5. Close *tiamo* 1.1. Insert the installation CD and double click the file **setup.exe**. Then select **Repair/Update** and click on **[Next]**.



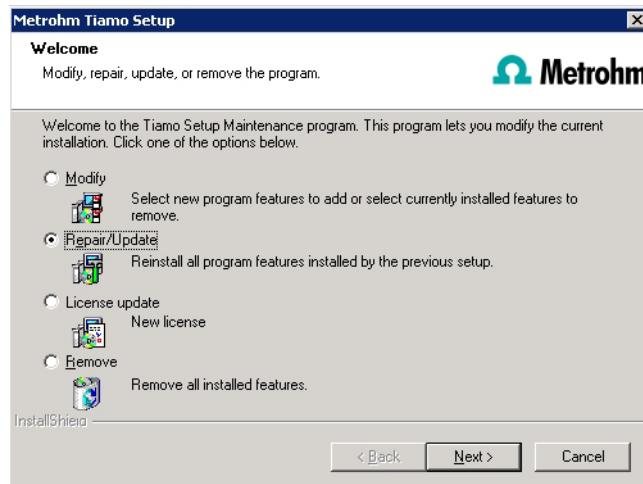
6. Complete the installation with **[Finish]**.

An UpdateLog file with a list of all files having been copied to your computer and with a confirmation for a successful installation is saved in the **tiamo** installation folder (default: C:\Program Files\Metrohm\tiamo) under bin\InstallLog.

Program update with *tiamo multi*

At the program update, the configuration database (system configuration, methods, templates, user-specific data for all clients) and the determination databases are automatically updated on the server for further use with *tiamo* 1.3. All files in the database directory, in the backup directory, and in the sub-directory **bin** are maintained. The files in the sub-directories **jre**, **lib**, **res**, **doc**, and **examples** are deleted.

1. Make sure the *tiamo* 1.1 will be closed on all clients.
2. Open *tiamo* 1.1 on the server and save the configuration database into an external directory using the backup function of *tiamo*. For that, select the menu item **File/Save/Manually** in the program part **Configuration**. Select the **Backup directory**, enter a name for the backup file and click on **[Start]**. The backup is finished automatically. It is recommended to copy the backup file to CD/DVD.
3. If desired, export the methods in addition to the automatic backup with the configuration database (see above) into an external directory. For that, select the menu item **File/Method Manager** in the program part **Method**. Select the desired **Method group**, mark all methods to be exported and click on **Edit/Export**. Select the desired export directory and click on **[OK]**. The methods are exported into the desired directory. It is recommended to copy the exported methods to CD/DVD.
4. Save all determination databases on the server into an external directory using the backup function of *tiamo*. For that, select the menu item **File/Database Manager** in the program part **Database**. Select the desired database and click on **[Backup]**. Select the **Backup directory**, enter a name for the backup file and click on **[Start]**. The backup is finished automatically. It is recommended to copy the backup file to CD/DVD.
5. Save further files created by the users in the installation directory (e.g. export files) into an external directory or to CD/DVD.
6. Close *tiamo* 1.1 on the server and on all clients. Insert the installation CD and double click the file **setup.exe**. Then select **Repair/Update** and click on **[Next]**.



7. Complete the installation with **[Finish]**.

An UpdateLog file with a list of all files having been copied to the server and with a confirmation for a successful installation is saved in the **tiamo** installation folder (default: C:\Program Files\Metrohm\tiamo) under bin\InstallLog.

8. For each client, insert the installation CD and double click the file **setup.exe**. Then select **Repair/Update** and click on **[Next]**. Complete the installation with **[Finish]**.

An UpdateLog file with a list of all files having been copied to the client computer and with a confirmation for a successful installation is saved in the **tiamo** installation folder (default: C:\Program Files\Metrohm\tiamo) under bin\InstallLog.