

MEASUREMENT CENTER

- Installation Guide

Original Instructions

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We have checked the contents of this manual for agreement with the hardware and software described. Since deviations cannot be precluded entirely, we cannot guarantee full agreement. However, the data in this manual are reviewed regularly and any necessary corrections are included in subsequent editions. Suggestions for improvement are welcome.

All configurations and specifications are subject to change without notice.

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Installation of the MEASUREMENT CENTER

General

The Bruker AXS MEASUREMENT CENTER can be installed under Microsoft Windows only.

Step 1: Uninstalling an Existing Version of the Software

1. Start the **Windows Control** panel and select **Programs and Features**.
2. Uninstall all existing versions of the Bruker AXS MEASUREMENT CENTER.
3. Verify that the installation directory is empty. These are usually the folders:
C:\Program Files (x86)\Bruker AXS\DIFFRAC.MEASUREMENT CENTER
or
C:\Program Files (x86)\Bruker AXS\SPECTRA.ELEMENTS

Step 2: Starting the Setup Program

1. Start the Bruker AXS MEASUREMENT CENTER setup program by double clicking with the left mouse button on the **BRUKERMC x_xx.exe** file (**x_xx** contains the version of the software e.g. BRUKERMC 1_04.exe).

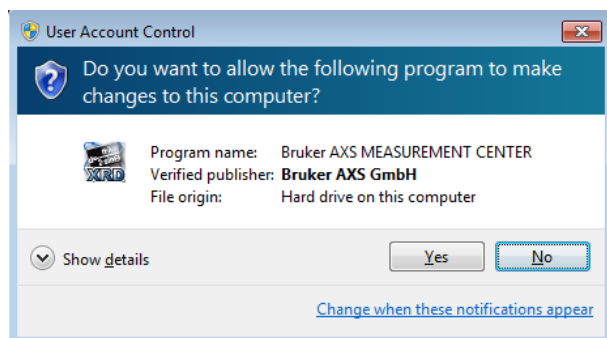


Figure 1: BRUKERMC.exe file

- Before the actual setup begins, a search is first conducted for up-to-date Microsoft .NET run-time files and then for a **PostgreSQL** database, which are required for Bruker AXS MEASUREMENT CENTER operation.
2. If these software components are found, you can omit Steps 3 and 4 and pass directly to Step 5. Otherwise perform Steps 3 and/or 4 as required.

Step 3: Installing Up-to-date Microsoft .NET Files (if needed)

- If **Microsoft.NET run-time** files are not found, or if such files are found but are out of date, the dialog box **Technology Required** appears.

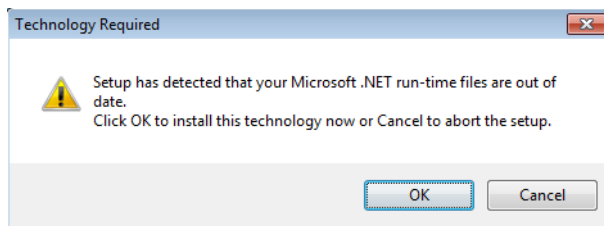


Figure 2: Dialog box **Technology Required**

1. Click on **OK** to install up-to-date **Microsoft.NET run-time** files, which are included in the setup package, or **Cancel** to abort the setup.

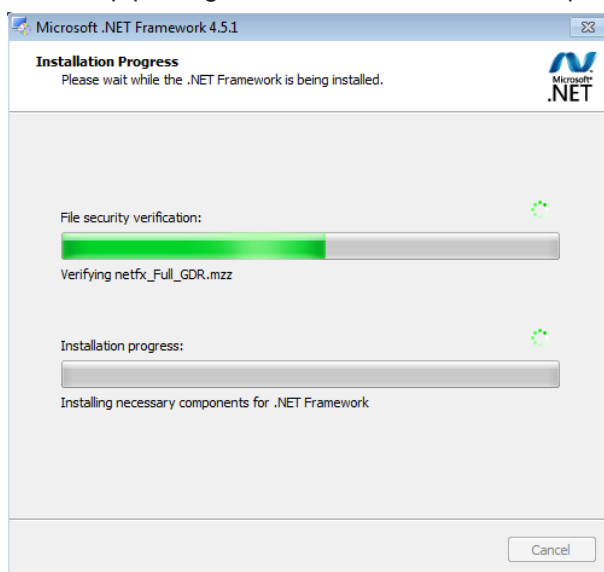


Figure 3: Dialog box showing progress of **Microsoft.NET** installation

- ⇒ After configuration of the **Microsoft.NET** components has been completed, a search is conducted for a **PostgreSQL** database.

Step 4: Installing a PostgreSQL database (if needed)

- If a **PostgreSQL database** is not found, the dialog box **PostgreSQL Installation** appears.

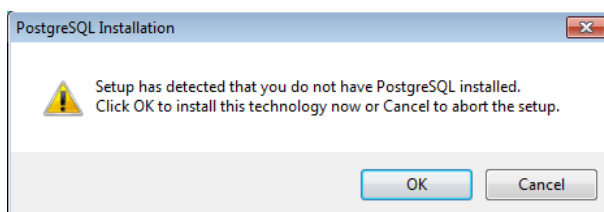


Figure 4: Dialog box **PostgreSQL Installation**

1. Click on **OK** in this dialog box to install the **PostgreSQL** database, which is included in the setup package, or click on **Cancel** to abort the setup.
 - If you click on **OK**, a dialog box appears showing the progress of the installation.

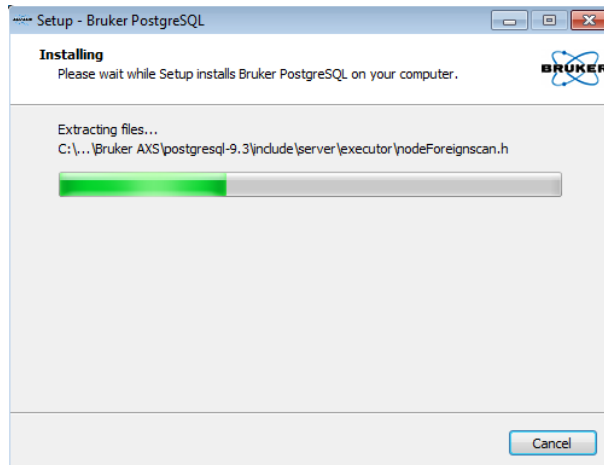


Figure 5: Dialog box showing progress of **PostgreSQL** database installation

- ⇒ When the installation of **PostgreSQL** database has been completed, setup of the Bruker AXS MEASUREMENT CENTER, properly speaking, begins.

Step 5: Performing the setup

1. Click on **Next** in the **Setup welcome** dialog box to proceed with the setup.

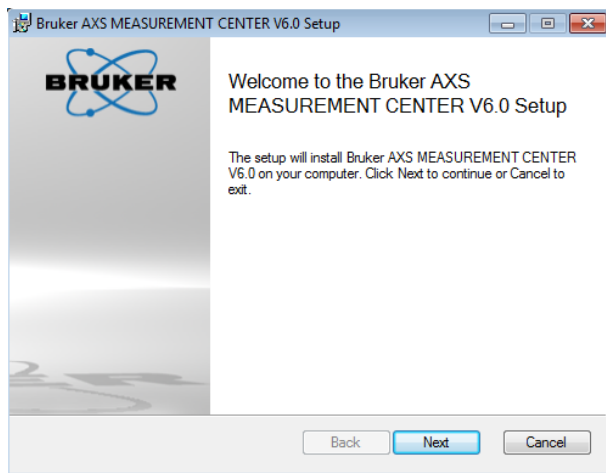


Figure 6: **Setup welcome** dialog box

2. In the next dialog, select the **Instrument type** for which the software will be installed

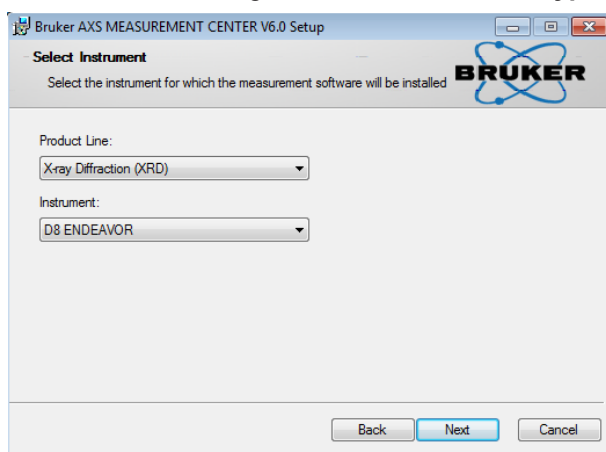


Figure 7: **Select the instrument**

3. In the next dialog box select **Typical** to proceed with a default installation, or **Custom** to install 21 CFR Part 11 features, or define another installation path.

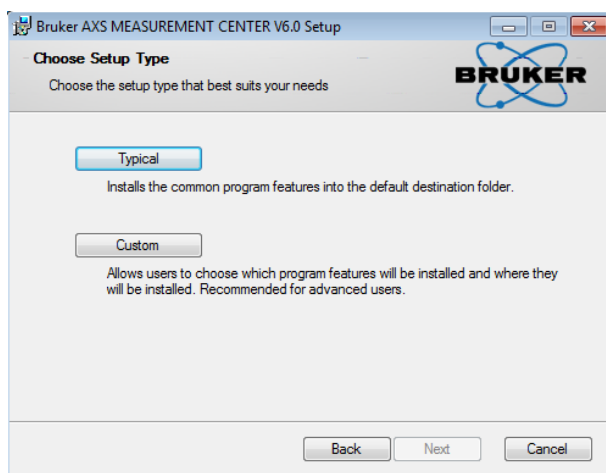


Figure 8: **Select the installation type**

Custom Installation settings

Selecting Custom leads to optional installation settings:

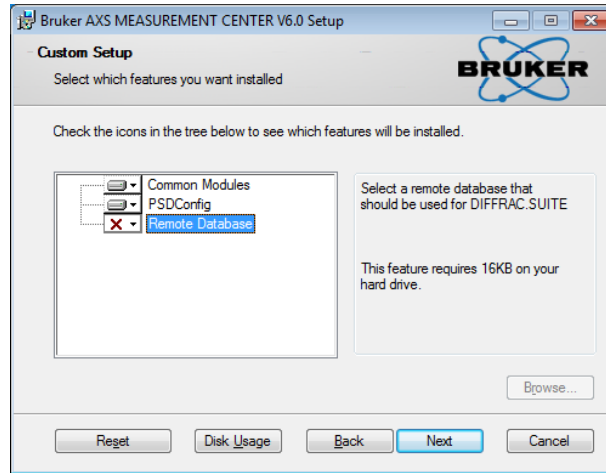


Figure 9: Installation settings

Remote Database

This allows the installation of a database on an external PC / server. The **PostgreSQL** database settings are modified by the installer to allow access from external PC's.

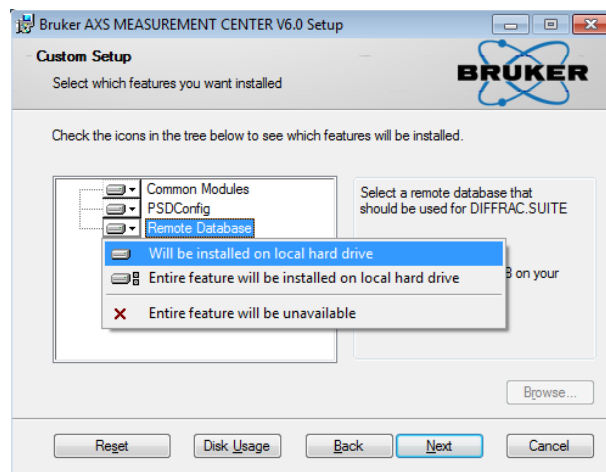
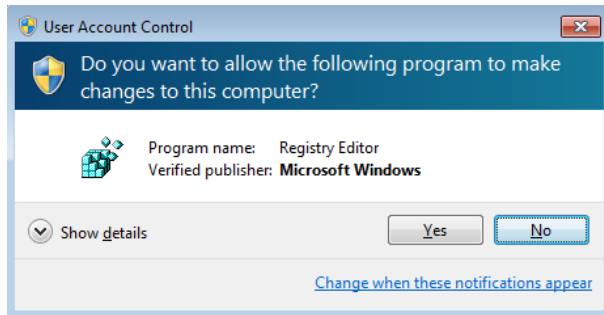


Figure 10: **Custom Setup** dialog box

1. Select the feature in the dialog and press **Next**.
2. Follow the procedure through the dialogs.
 - At the end, a small executable shows up, patching the database settings for outside access.
 - On the installation CD in the directory **\Database** is a registry key file:
BrukerPostgreSQLFirewallSettings.reg
3. Double click this file:



4. Select **Yes** in order to add the settings into the registry.

► The firewall of the PC are not modified to allow database access from external PC's.

5. Click on **Next** in this dialog box to begin the installation.

⇒ A dialog box then appears containing a bar showing the progress of the installation.

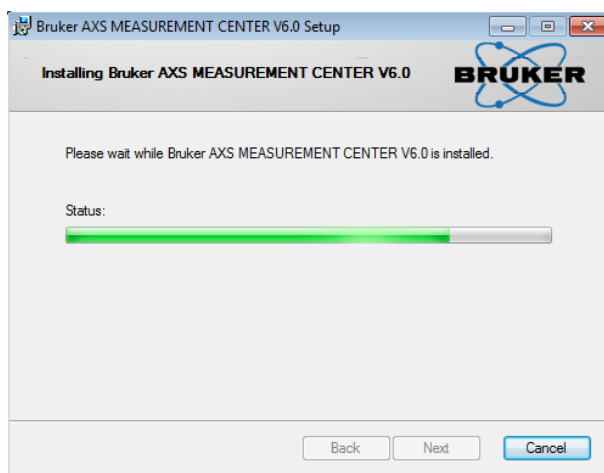


Figure 11: Dialog box with bar showing progress of installation of Bruker AXS MEASUREMENT CENTER

Step 6: Installing / Upgrading the database

Before you can begin working with the Bruker AXS MEASUREMENT CENTER, the setup program installs or upgrades the database. The backup file (which has the extension *.backup*) has been copied onto your hard drive from the Bruker AXS MEASUREMENT CENTER installation CD.

Database restoration is performed using **Database Maintenance**, which is included in the **Measurement Center** package.

Using the setup program, **Database Maintenance** is called automatically. If you start **Database Maintenance** manually, please refer the *MEASUREMENT CENTER User Manual*.

If a database already exists, **Database Maintenance** compares the entire database content against the latest version delivered with the MEASUREMENT CENTER installation CD. It creates a backup of you existing database and the process starts.

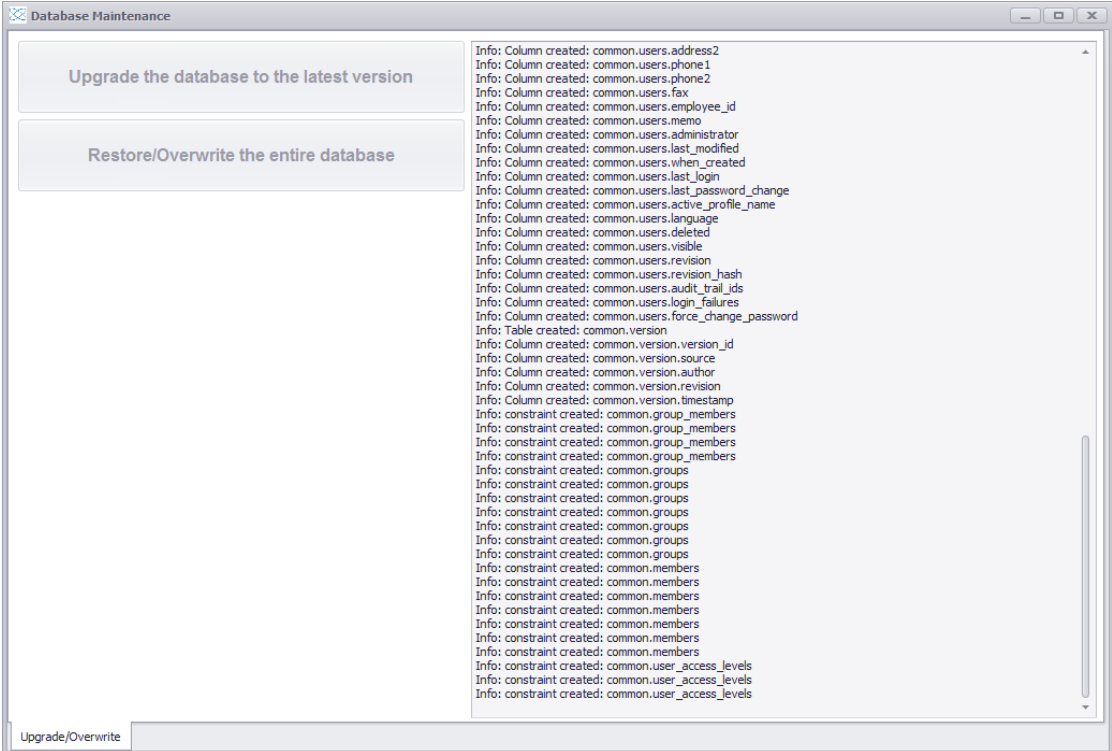


Figure 12: Upgrade process is running

- After a while the upgrade process finishes, and a dialog box appears informing you that the installation has been completed.

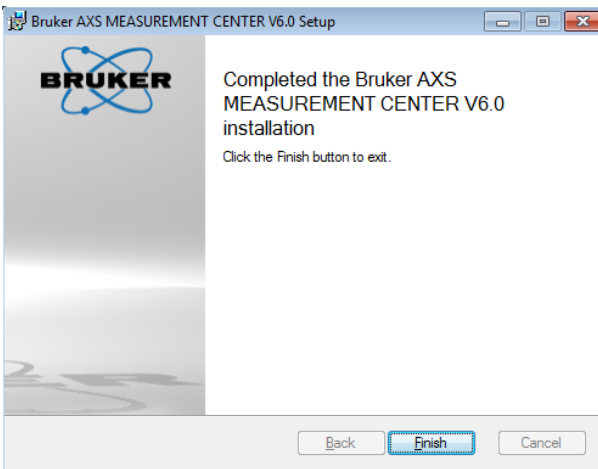


Figure 13: Dialog informing the user that installation was successful

1. Click on **Finish** in this dialog box to exit the setup program.
- ⇒ You can now start the various components of the Bruker AXS MEASUREMENT CENTER.



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