



Level



Pressure



Flow



Temperature



Liquid  
Analysis



Registration



Systems  
Components



Services



Solutions

# ControlCare P View

Visualization and Monitoring

## ■ Getting Started



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## Revision History

Product Version	Edition	Revision	Remarks
2.00.xx	BA042S/04/en/10.04	Original manual	
2.00.xx	BA042S/04/en/12.04	Installation	Lisencing procedure simplified No effect on operation
2.01.xx	BA042S/04/en/09.06	Product	Default folders and license file names changed
2.02.xx	BA042S/04/en/11.08	Product	New tools integrated: Script 2006, Unified Data manager, Scheduler

## Registered Trademarks

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# 1 Installation and Requirements

This chapter provides information about:

- System Requirements
- Installing P View

## 1.1 System requirements

To use the P View software, you must have the following minimum system requirements:

- Computer: Pentium or higher
- DVD-ROM
- A minimum of 2 GB disk space available for installing the default P View software.

Note!

The actual amount of space required may decrease if help and example files are not installed. Project requirements for logging data, alarms and screen storage are above this minimum.

- VGA Video Card; 256 or more colors for best results.
- Microsoft Internet Explorer 6.0 and above.
- Microsoft SQL Server 2005 Express.
- Windows 2000, Windows XP, Windows Server 2003, Windows Vista with latest service packs.

Minimum computer CPU and RAM requirements depend on the application and operating system, as shown in the following table.

Application Size	Processor	RAM
Small	1.0 GHz	512 MB
Medium	2.0 GHz	1 GB
Large	3.0 GHz	2 GB

The actual amount of RAM and/or processor speed will vary depending upon the I/O counts, networking, logging and alarming requirements, as well as other factors. To determine which type of computer best fits your application, set up a test application station.

Note!

- The processor and memory requirements of your existing project may be greater in this version of P View than in previous versions due to additional and enhanced features in the product.

## 1.2 Installing P View

### Note!

- If your operating system (e.g., Windows 2000) requires a login name, you must log in with administrator capability before installing P View software.
- To run the P View applications, you must be logged into the operating system with an account that is a member of the "Administrators" group or the "Power Users" group.

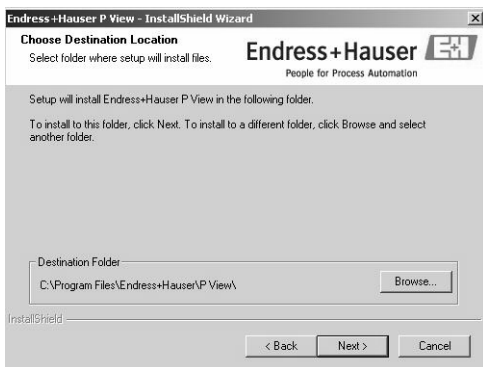
### Procedure

1. Before installing Endress+Hauser software be sure that all other applications, are closed and/or disabled.
2. Insert the P View product CD into your CD-ROM drive. If "Autorun" is enabled on your system, the CD introduction starts automatically. Otherwise, browse to your CD-ROM drive and run the "setup.exe" file.
3. You will see the CD introduction and the main menu.
  - Select **Software Installation** then **P View**
4. The Setup screen briefly appears, followed by the Welcome Message screen. Click the **Next** button to continue.

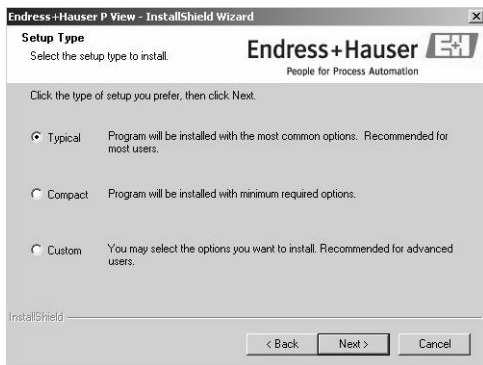


5. The **Software License Agreement** dialog box appears. Read the License Agreement. Click **Yes** if you accept the terms of the agreement.

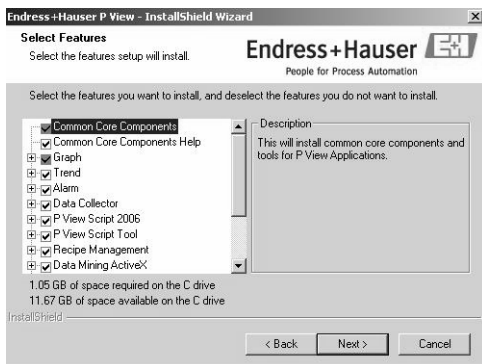
6. The **Choose Destination Location** dialog box appears. Select the destination location for the software installation. The default directory for the setup is **Endress+Hauser\P View**.
- If you wish to keep this default location, click the **Next** button to continue.
  - If you prefer to select a different directory location for the installation, click the **Browse** button to select a different drive or directory. Click **Next** to continue.



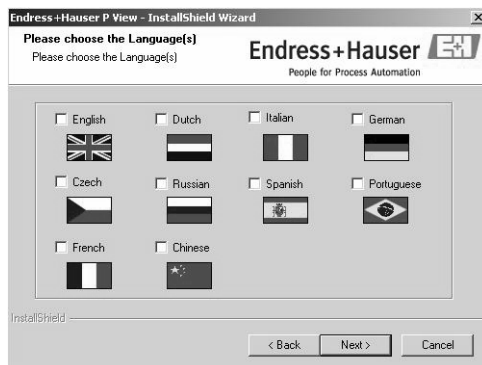
7. The **Setup Type** dialog box appears. Select the setup type to install. If you choose **Typical** or **Compact**, please continue with 9. If you choose **Custom**, please continue with 8.



8. The **Select Features** dialog box appears. Select the features as required.



9. The **Please choose the Language(s)** dialog box appears. Please choose the languages to be installed.

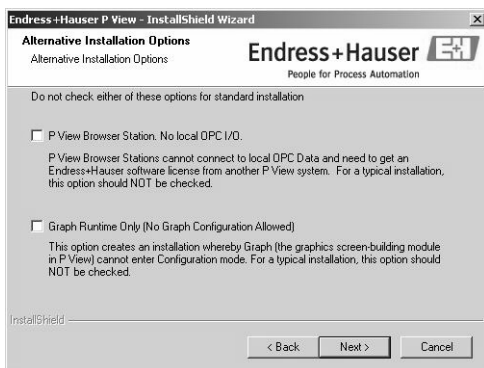


10. The **Installation Type** dialog box appears. Here there are two additional options available for a P View installation:

**Browser Station Installation.** This option should be used when installing the software on a networked PC that ties into another P View system. A "Browser Station," which cannot connect directly to an OPC server, must connect to a remote machine. For a typical installation, this option should NOT be checked.



**Graph Runtime Only.** This option creates an installation whereby P View Graph (the graphics screen-building module in P View) cannot enter Configuration mode. For the typical installation, this option should NOT be checked. Click **Next** to continue.



11. The copying of files will now begin.  
– Click **Cancel** to stop the installation procedure at any time.
12. The **AppSetupUtility** dialog box appears.  
This utility sets the DCOM permissions of P View applications and services to run under a user-specific account. Please choose an existing user or create a new one.



13. Click the **Finish** button.



#### Note!

- The P View installation automatically installs Microsoft® Visual Basic® for Applications (VBA). If you are using the Unicode version of P View for international language-switching capability, the installation will give you the option of installing Microsoft Arial Unicode Font. The installation also installs a Dot Matrix Font on your computer.

## 2 Endress+Hauser Software Licensing

### 2.1 Introduction

P View software products use a software-based licensing scheme. An activated license is required to use the software in full production mode. This license designates which products may be used, as well as the I/O point-count limit used in the system. This document explains the concepts of the software licensing and shows how to install and activate the license.

Note!

- The system will run in a two-hour Demo mode without a site key enabled.

#### 2.1.1 Free Development

There are two distinct modes of operation within the P View software modules: Configuration and Runtime.

- Configuration is the product's capability to let you configure the system—to create graphic displays in P View Graph, for example, define which data to log in P View Trend, and configure which OPC points to monitor for alarming in P View Alarm, etc. Many refer to Configuration mode as "Development" mode, since the entire project is designed and developed in this mode. Configuration mode in P View does not require an installed software license. You may develop your system on any machine.
- In Runtime mode, modules communicate with the actual I/O (Input/Output), talk to network nodes, and animate the documents made by using Configuration mode.

#### 2.1.2 Free Demo Mode Runtime

Without a valid license installed in your PC, it is still possible to enter Runtime mode (described above). The software will check for a valid software license key on initialization. If none is found, P View runs in Demo mode. It has the following limitations:

- It will only permit Runtime mode for two hours.
- Only 32 OPC tag connections (points) will be updated.

Running past the two-hour limit generates a message stating that the demo time has been exceeded. You must then exit. On restarting, you will get another two-hour block of time in which to run. If there are more than 32 tags on a particular screen, gray stars (or whatever is configured as the Point Failure character) will appear in place of the actual I/O data.

## 2.2 Installing Endress+Hauser Software Licensing

### Note!

- You need to log in with administrator privileges before installing P View software.
- Set the System Date and Time properly before installing the Software License Utility. Setting the time and/or date by more than an hour after the installation will affect any time-limited Licenses (such as the Temporary 30-day Activation).

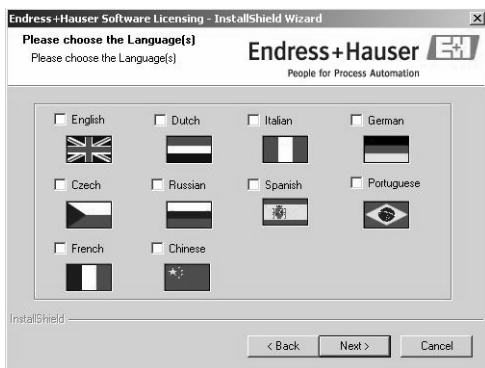
### Procedure

1. Before installing Endress+Hauser software, be sure that all other applications, such as Microsoft Office or any antivirus software, are closed and/or disabled.
2. Insert the P View product CD into the CD-ROM drive.
3. You will see the CD introduction and the main menu. If Autorun is enabled on your system, the CD introduction starts automatically. Otherwise, browse to your CD drive and run the "setup.exe" file.
4. Select **Software Installation** and **P View** from the menu.
5. Now select **P View Licensing**.
  - The **Software License** installation starts and displays a Welcome screen.
  - Click **Next** to continue.

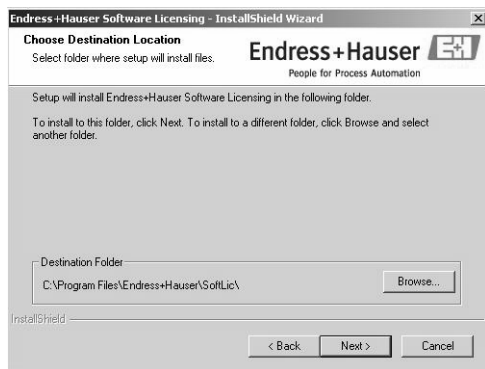


6. The **Software License Agreement** appears. If you accept the terms of the agreement, click **Yes**.

7. The **Please choose the Language(s)** dialog box appears.
  - Choose the language(s) to be installed.
  - Choose the destination directory for the installation. This defaults to

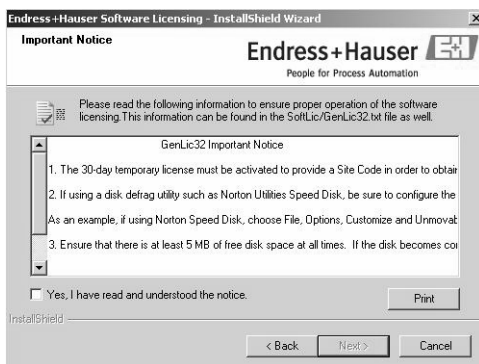


8. **Endress+Hauser\LP View Licensing**
  - If you want to install the License Utility in a different directory, click **Browse**.
  - Click **Next** to continue.



9. The setup will also create a program folder and copy all the shortcuts related to the License Utility into that program folder. The default program folder is Endress+Hauser Software Licensing. You can specify a different folder if you want. Click **Next** to continue. The setup will start copying files to your computer and will display the status associated with the memory, disk space, and percentage of information copied.

10. Read the important notice which now appears



In order to complete the License Utility installation, you must acknowledge that you have read the notice. Check the box and click the **Next** button to continue.

11. Setup is now ready to install the program: press **Install** to continue
12. When Setup is complete, decide whether to restart your computer now or later by checking the appropriate box.



Click the **Finish** button to exit the installation wizard.

Note!

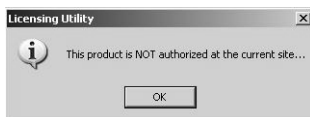
- You must now run the License Utility and register your software license in order to use P View or any of its components. For more information, see Chapter 2.3
- If not done at Step 12, restart your computer before running the license facility

## 2.3 Running the License Utility

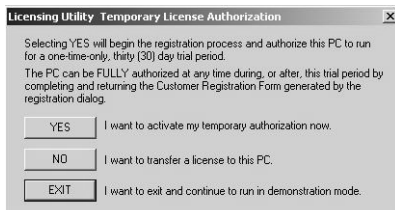
The P View Software License Utility provides full authorization to any of the purchased P View products and its available options.

### 2.3.1 Temporary authorization of P View system

1. Launch the License Utility from the Windows Start menu, select **Programs > Endress+Hauser > P View > P View License > License Utility**. (This program already be running if you checked the box to launch it after installation.)
2. A dialog box opens as shown below, informing you that P View is not authorized. You must first activate a temporary software license. Click **OK** to continue.



3. If you are running the License Utility for the first time before authorizing your license on a computer, a dialog box for the Temporary License Authorization appears, as shown below. This allows you to use P View immediately, for up to 30 days while you are completing the registration process or for product evaluation and trial purposes.
4. To execute the temporary license, click **Yes**. If you want to transfer a license to the PC, click **No**. If you want to continue to run in demonstration mode, click **Exit**.



5. Clicking **Yes** enables the temporary license, and the License Utility will open.

#### Note!

- Please refer to the Endress+Hauser Software Licensing or Getting Started Help documentation on the P View product CD for further details about registering, authorizing, transferring, and terminating an Endress+Hauser software license.

## 2.3.2 Registering for a software license

To authorize a permanent license, you must get a Site Key, which is a unique "software key" number that unlocks the runtime licenses for your site. There are two options to register and obtain a Site Key for the PC running the License Utility. Regardless of the method selected, the registration and license of P View product(s) is achieved using the following process:

### Procedure

1. Endress+Hauser validates the purchase of the products to be installed by using the **Serial Number** shipped with the purchased CD. Once validated, Endress+Hauser generates and returns a corresponding Site Key number that will activate the proper products for use on this PC.
2. Select **Authorize License** from the **Actions** menu, and enter the provided Site Key number in the P View License Authorization dialog box to activate the license:

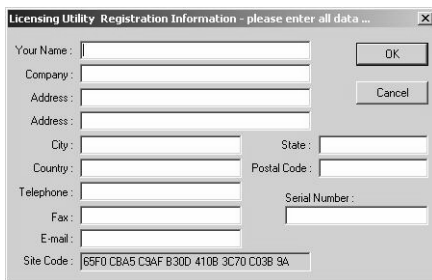


3. In the **License Utility**, begin the process of obtaining your site key by selecting Register for a License from the Actions menu.



### 2.3.3 Fax/e-mail Registration

1. After selection of **Register for a License** the **P View Registration Information** dialog appears, as shown below. The Site Code generated for your computer by the License Utility is displayed at the bottom. Enter your name, address, city, phone number, etc., in this dialog box, and then click OK. The License Utility automatically saves this FAX and/or e-mail information into the Registration file (Register.dat) in the path where you have installed the License Utility.



**Licensing Utility Registration Information - please enter all data ...**

Your Name :

Company :

Address :

City :  State :

Country :  Postal Code :

Telephone :

Fax :  Serial Number :

E-mail :

Site Code : 65F0 CBA5 C9AF B30D 410B 3C70 C03B 9A

OK Cancel

2. Now the P View Registration Process Completed dialog box is displayed, as shown below. You may now choose which method you prefer to use to send your information to Endress+Hauser (pview@solutions.endress.com).



**Endress+Hauser Registration Process Completed**

To complete the registration process, select one of the following methods and press OK.

☒ Print and fax registration Fax: +41 61 715 2800

☐ E-mail registration via clipboard E-mail: PView@solutions.endress.com

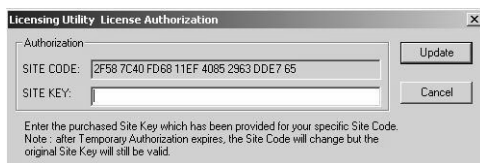
☐ Print and mail registration to :  
Endress+Hauser Process Solutions AG, Kagenstr. 2, CH-4153 Reinach, Switzerland

OK Cancel

3. After receiving this information from you, Endress+Hauser will provide you with the unique Site Key for your system via fax or e-mail. Once you have your Site Key, you can authorize your software license, see Section 2.3.4.

### 2.3.4 Authorizing the software license

Once you have your Site Key, you are ready to authorize your license. When you select **Authorize License** from the Actions menu of the License Utility, the P View License Authorization dialog box appears:



This dialog box displays your Site Code.

- Type the Site Key number received from Endress+Hauser in the Site Key field.
- Click Update to have your license authorized.

You can now view the enabled software license by selecting View License from the Actions menu bar of the License Utility.

#### Note!

- If you had an existing license to begin with, clicking Update will overwrite your existing license, either by replacing or appending/updating it with new products.

### 2.3.5 Viewing the software license

To view the software license, select **View License** from the **Actions** menu of the License Utility. This opens the P View License View dialog box, shown below, which displays the current license information, including:

- Type of license
- Restrictions on the license
- Number of copies licensed (allowed and used)
- Number of Clients Units supported by the license
- Site Code and Site Key

If the license is temporary, the Site Key field will display Temporary Authorization, and there will be a unique Site Code generated by the utility based on your computer hardware.

## 2.4 Pocket P View

Users of Pocket P View must purchase licenses for simultaneous connections between a desktop PC and Pocket PCs. When a user purchases Pocket P View and installs it on a desktop PC, two simultaneous Pocket PC connections will be available to that user from the desktop PC. If the user decides that more Pocket PC connections are needed, the user must purchase more Pocket PC connections in packages of five connections.

The P View License Utility detects how many Pocket PCs are connected to the desktop PC. If the maximum number of connections has been made, no new connections will be allowed to the desktop PC. For example, during one connection a Pocket PC can be running Pocket P View Trend, Pocket P View Alarm, and Pocket P View Graph simultaneously. If any of those applications are running, the connection is active.

For Pocket PCs, the License Server runs on the desktop PC connected over Ethernet via P View Broker. Thus, if a user has a license that allows for two connections and has two Pocket PCs connected at the same time, both Pocket PCs can be running Pocket P View Trend, Pocket P View Alarm, and Pocket P View Graph simultaneously. Then if another Pocket PC tries to connect to the P View Broker server on the desktop PC where those two licenses are located, it will be denied.

### Note!

- Please refer to the P View Broker help documentation for information about assigning a node or IP address to a remote License Server.
- Please refer to the Endress+Hauser CD documentation for information about licensing for P View Report and other optional modules.

## 2.5 Site keys and file maintenance

The software Site Key handles licensing of P View without requiring a hardware protection key. Licensing encrypting information is stored deep within the Windows systems. If no P View authorization is present, it will automatically run in Demo mode for two hours.

### Note!

- Set the System Date and Time properly before installing the Endress+Hauser License Utility. Changing the time and date may affect time-limited licenses.

Upon successful installation of P View, the installation wizard automatically creates a directory for the P View Software Key licensing system. By default, the files are copied to the following path: **...Endress+Hauser\P View Software Licensing**

This directory contains the GENLIC32.exe utility used for any P View system licensing transactions along with the Licensing files themselves.

### Note!

- Tampering with the installation directory or P View files might accidentally destroy the license.

The "P View Software Licensing" directory also contains the following files among others:

- GENLIC32.RST
- GENLIC32.ENT
- GENLIC32.KEY
- GENLIC32.KY2
- GENLIC32.41S

These files give the user a license to use P View, and they contain encrypted information relating to the PC used, options the user is allowed to activate, and file system/directory. If the P View directory is renamed after the license has been granted, the software protection key will NOT recognize the license under the new directory name. It is also advisable not to tamper with the system's clock if using a time-limited license. Setting the time back more than one hour will invalidate the license.

### Note!

- Ensure there is at least 1 MB of free disk space at all times on the hard drive the license is installed on. If the disk becomes completely full, the software license may be lost.
- If you are using Norton Speed Disk to reallocate disk clusters, the following procedure must be followed to prevent loss of the P View Software License:

1. Open **Speed Disk** and choose **File > Options > Customize > Unmovable Files**.
2. Specify that the \*.ent, \*.rst, \*.key, \*.ky2 and \*.41s files cannot be moved.

For your notes.

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