



Füllstand



Druck



Durchfluss



Temperatur



Flüssigkeits-  
analyse



Registrierung



Systeme  
Komponenten



Services



Solutions

## Installation Instructions

# ToF Tool - Fieldtool<sup>®</sup> Package

## Software

**Configuration  
and Service  
Software**



KA169F/00/en/07.07

Valid as of software version  
V 4.06.00

**Endress+Hauser** 

People for Process Automation

## License Agreement

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Endress+Hauser Messtechnik GmbH + Co.KG

**Fieldtool** © Copyright 2003  
Endress+Hauser Flowtec AG

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# 1 System requirements

## 1.1 Hardware

Hardware	Minimum	
Processor	Pentium II 300 MHz or higher	
Graphics card	SVGA graphics card 800x600, 256 colours	
Main memory RAM	128 MB or more (256 MB recommended)	
Hard disk memory	CD installation:	Minimum installation <ul style="list-style-type: none"><li>■ 900 MB before installation</li><li>■ 450 MB taken by package after installation</li></ul> Full installation <ul style="list-style-type: none"><li>■ 1.8 GB before installation</li><li>■ 1 GB taken by package after installation</li></ul>
	Web installation:	<ul style="list-style-type: none"><li>■ 2.7 GB before installation</li><li>■ 1 GB taken by package after installation</li></ul>
Disk drives	CD ROM drive	

### Interfaces

- Serial interface
- Connection via service protocol and via Service Interface FXA193
- Connection via HART and HART modem, e.g. Commubox FXA191 (RS232) or Commubox (FXA195 (USB)
- Profiboard or Proficard, PROFIBUS driver V 5.22

## 1.2 Software

Operating system	Service Pack / extensions
Windows NT 4.xx	SP 6a installed
Windows 2000	SP 3 or higher recommended
Windows XP	SP 1a or higher recommended

### Note!

Please note that you require Administrator rights when installing on Windows NT, Windows 2000 and Windows XP!

## 1.3 Printer

ToF Tool – Fieldtool Package supports printers in accordance with the printer drivers loaded on your computer. If more than one printer is installed, the "standard printer" is always selected.

## 1.4 Additional programs

To install the ToF Tool - Fieldtool Package correctly on your computer, a number of additional components must already be installed:

- Service Pack 6a, for Windows NT
- MS Internet Explorer 6.0 or higher
- Adobe Acrobat Reader 4 or higher
- MDAC 2.6 or higher (on CD1 "ToF Tool - Fieldtool Program")

## 1.5 Device list

### Operating overview

The ToF Tool - Fieldtool Package contains all the DDs of the devices listed in the table up to the software version given. If the devices are updated, the latest DDs can be downloaded as Service Packs from the Download Area.

### 1.5.1 Version 04.03.00 - flowmeters

Flowmeter	Device Software/ HART	PROFIBUS PA <sup>1)</sup>	PROFIBUS DP <sup>1</sup>	FOUNDATION Fieldbus <sup>1</sup>	MODBUS RS485
Promag 10	1.02.00	—	—	—	—
Promag 23	2.00.01	—	—	—	—
Prowirl 72	1.03.00	1.03.00	—	1.00.00	—
Prowirl 73	1.03.00	1.03.00	—	1.00.00	—
Promag 50	2.01.00	2.03.00	3.02.00	—	—
Promag 51	2.01.00	—	—	—	—
Promag 53	2.01.00	2.03.00	3.02.00	2.00.00	3.02.00
Promag 55	1.00.01	2.03.00	3.02.00	2.00.00	3.02.00
Dosimass	1.00.00	—	—	—	—
Dosimag	2.02.00	—	—	—	—
Promass 40	2.02.00	—	—	—	—
Promass 80	2.02.00	2.03.00	—	—	—
Promass 83	2.02.00	2.03.00	3.02.00	2.00.00	3.02.00
Promass 84	2.02.00	—	—	—	3.03.00
Prosonic Flow 90	2.00.00	2.03.00	—	—	—
Prosonic Flow 91	1.00.02	—	—	—	—
Prosonic Flow 92	1.00.01	1.00.00	—	—	—
Prosonic Flow 93	2.00.00	2.03.00	2.03.00	1.01.02	—
t-mass 65	1.00.00	—	3.02.00	—	3.02.00

- 1) Note!  
Full operating via service protocol and Service-Interface FXA193 only.

Test and verification tool	
Fieldcheck	1.04.00

### 1.5.2 Version 04.03.00 - level measurement devices

Level measurement device		HART	PROFIBUS DP	PROFIBUS PA	FOUNDATION Fieldbus <sup>1)</sup>
Micropilot M	FMR230 FMR231 FMR240 FMR244 FMR245	01.05.00	—	01.05.00	01.05.00
	FMR250	01.04.00	—	01.04.00	—
Levelflex M	FMP40 FMP41C FMP45	01.04.00	—	01.04.00	01.04.00
Prosonic M	FMU40 FMU41 FMU42 FMU43	01.04.00	—	01.04.00	01.04.00
Prosonic S	FMU90	01.00.01	01.00.00	—	—
Prosonic	FMU860 FMU861 FMU862 FMU867	—	01.03.00	—	—
Micropilot S	FMR530 FMR531 FMR532 FMR533	01.02.00	—	—	—
	FMR540	01.01.00	—	—	—
Tank Side Monitor	NRF590	02.08.00	—	—	—
Prothermo	NMT535 NMT538 NMT539	5.0 6.0 1.0	—	—	—
Electronic Insert	FEC14	—	—	01.01.00	—
Nivotester	FTC625	01.04.01	—	—	—
Gammapiilot M	FMG60	01.01.00	—	01.04.00	1.00.00
Liquicap	FEI50	01.03.00	—	—	—

1) Note!  
Operating of all FIELDBUS level measurement devices via service protocol and Service-Interface FXA193 only.

### 1.5.3 Version 04.03.00 - pressure measurement devices

Pressure measurement device		HART	PROFIBUS DP	PROFIBUS PA	FOUNDATION Fieldbus
Cerabar S	PMC71 PMP71 PMP72 PMP75	02.10	—	03.00.00	02.00
	PMD70 PMD75 FMD76 FMD77 FMD78	02.10	—	03.00.00	02.00
Deltapilot S	FMB70	02.10	—	—	—

### 1.5.4 Older versions

#### Note!

Older versions see compatibility list → Page 52-77.

### 1.5.5 New in version 4.04.00

Level measurement device		HART	PROFIBUS DP	PROFIBUS PA	FOUNDATION Fieldbus <sup>1)</sup>
Prosonic S	FMU95	—	01.00.00	—	—

- 1) Note!  
Operating of all FIEIDBUS level measurement devices via service protocol and Service-Interface FXA193 only.

### 1.5.6 Update in version 4.04.00

Level measurement device		HART	PROFIBUS DP	PROFIBUS PA	FOUNDATION Fieldbus <sup>1)</sup>
Prosonic S	FMU90	02.00.00	02.00.00	—	—
Gammapiot M	FMG60	01.02.00	—	—	—

- 1) Note!  
Operating of all FIEIDBUS level measurement devices via service protocol and Service-Interface FXA193 only.

### 1.5.7 Update in Version 4.05.00

Flowmeter	Device software/ HART	PROFIBUS PA <sup>1)</sup>	PROFIBUS DP <sup>1)</sup>	FOUNDATION Fieldbus <sup>1)</sup>	MODBUS RS485
Prowirl 72	1.03.01	1.03.01	—	1.01.00	—
Prowirl 73	1.03.01	1.03.01	—	1.01.00	—
Promag 50	2.01.02	2.03.01 3.04.00	3.04.00	—	—
Promag 53	2.01.02	2.03.01 3.04.00	2.03.01 3.04.00	2.00.00	3.04.00
Promass 83	2.02.00	2.03.01 3.04.00	2.03.01 3.04.00	2.00.00	3.04.00
Promass 84	2.02.00	—	—	—	3.04.00
Prosonic Flow 90	2.01.00	2.03.01	—	—	—
Prosonic Flow 93	2.01.00	2.03.01	2.03.01	2.00.00	—
t-mass 65	1.00.01	—	3.04.00	—	3.04.00

- 1) Note!  
Full operating via service protocol and Service-Interface FXA193 only.

Test- und Verifikationsgerät	
Fieldcheck	1.04.00

### 1.5.8 Update in Version 4.06.00

There are now device updates in this version.

Bugfix concerning the creation of the pdf documentation for Prosonic S FMU90.

## 2 Installation

### **Caution!**

**Please note the following when installing on Windows NT, Windows 2000 or Windows XP:**

- Only the Administrator can install the software on Windows NT, Windows 2000 or Windows XP. The Administrator has to have the relevant rights for the program directory required (generally "Program files\Endress+Hauser\ToF Tool - Fieldtool Package..."). If necessary, these rights can be assigned under "Eigenschaften/Sicherheitseinstellungen".
- After installation, the directory must be enabled for all users who are to use the ToF Tool - Fieldtool Package (under "Properties/Security"). Any user for whom the directory has not been enabled cannot start the program. Only the Administrator can enable the directory.

### 2.1 Installing ToF Tool - Fieldtool Package

#### **Note!**

Please note the following before starting the installation:

- All the additional components required (such as Adobe Acrobat Reader, MS Internet Explorer and Service Packs) must be installed. If these are not installed, an error message is displayed and you are asked to install the component(s) in question.
- Any earlier versions of the ToF Tool, Fieldtool or ToF Tool - Fieldtool Package must be completely uninstalled.

#### **Note!**

If an earlier version of the software is still installed on your computer, you will first be asked to uninstall the earlier version when you start the "setup.exe".

#### **Uninstalling an earlier ToF Tool version**

You can completely uninstall an earlier ToF Tool version via:

**"Start → Settings → Control Panel → Add/Remove Programs".**

#### **Uninstalling an earlier Fieldtool version**

##### **Note!**

If an installation is aborted, the serial number and the key codes for the Fieldtool add-on modules are stored on your system. When reinstalling, these are automatically entered in the appropriate fields (see key codes for Fieldtool add-on modules).

You can completely uninstall an earlier Fieldtool version via:

**"Start → Settings → Control Panel → Add/Remove Programs".**

#### **Uninstalling an earlier ToF Tool - Fieldtool Package version**

##### **Note!**

If an installation is aborted, the serial number and the key codes for the Fieldtool add-on modules are stored on your system. When reinstalling, these are automatically entered in the appropriate fields (see key codes for Fieldtool add-on modules).

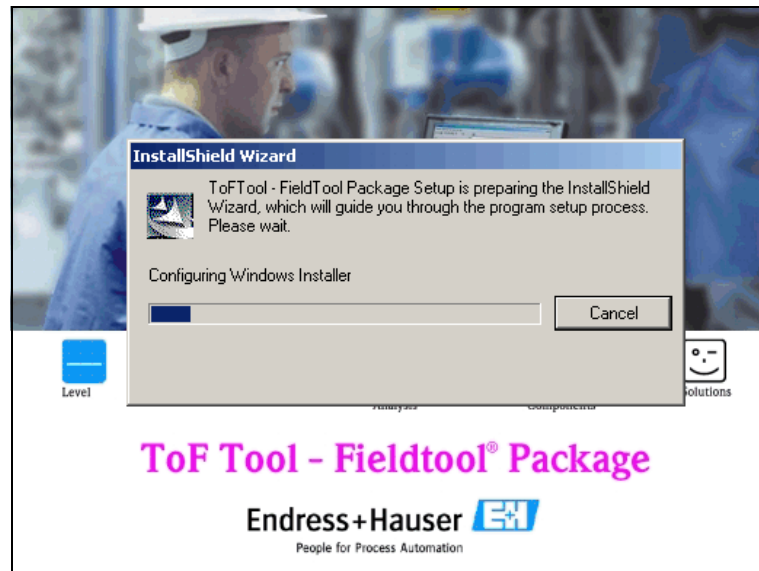
You can completely uninstall an earlier ToF Tool - Fieldtool Package version via:

**"Start → Settings → Control Panel → Add/Remove Programs".**



**The following are sample instructions for Windows 2000**

1. Prior to installing the ToF Tool - Fieldtool Package, close all applications open on your computer.
2. Insert CD 1 "Program CD-ROM" into the CD-ROM drive of your computer. The installation starts automatically. If it does not start automatically, start the "**setup.exe**" from this CD-ROM.

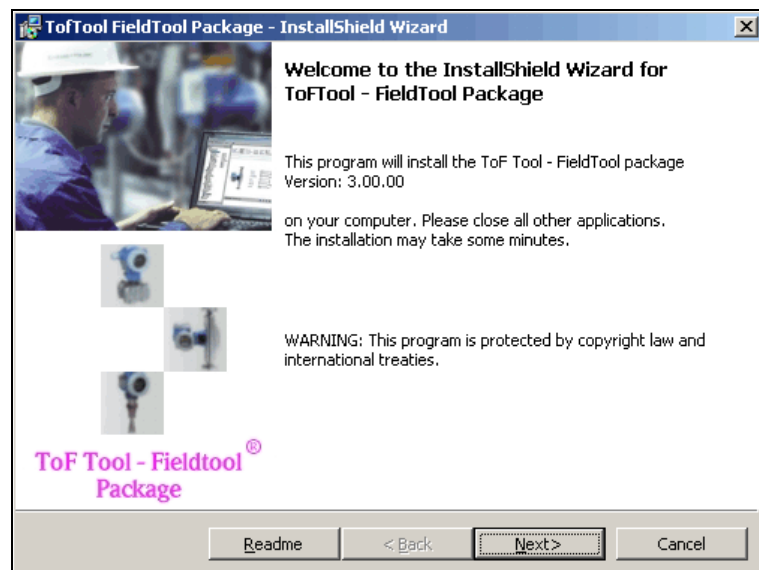


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3. **ToF Tool - Fieldtool Package - InstallShield Wizard**  
The InstallShield Wizard, which you use to run the installation, is started automatically. Click "**Next >**".

**Note!**

If an earlier version of the ToF Tool, Fieldtool or ToF Tool - Fieldtool Package is installed on your computer, you will be asked to uninstall it first of all.

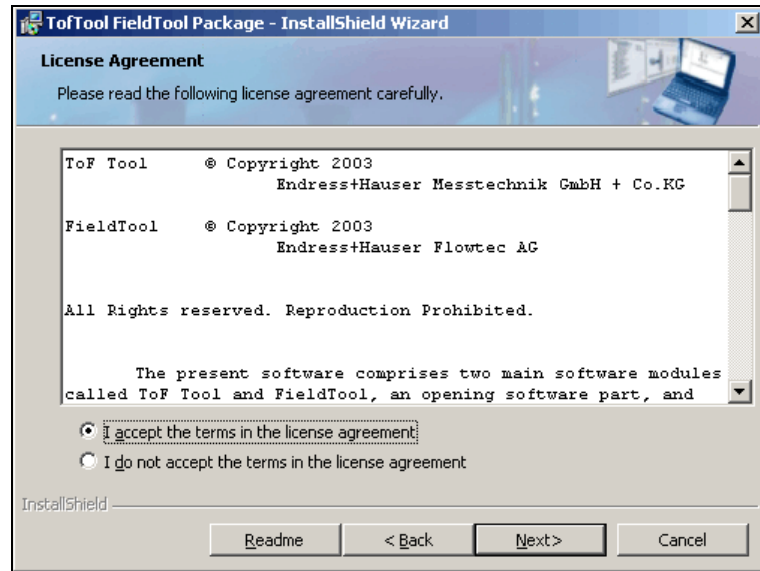


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#### 4. Licence agreement

Please read the following licence agreement carefully.

Select **"I accept the terms in the licence agreement"** and click **"Next >"**.



#### 5. Selection of languages

The ToF Tool - Fieldtool Package and the associated documentation are always installed in English. Please select the checkbox(es) for the additional language(s) you would like to install and click **"Next >"**.

##### Note!

English is automatically installed if a selected language is not available for single components.

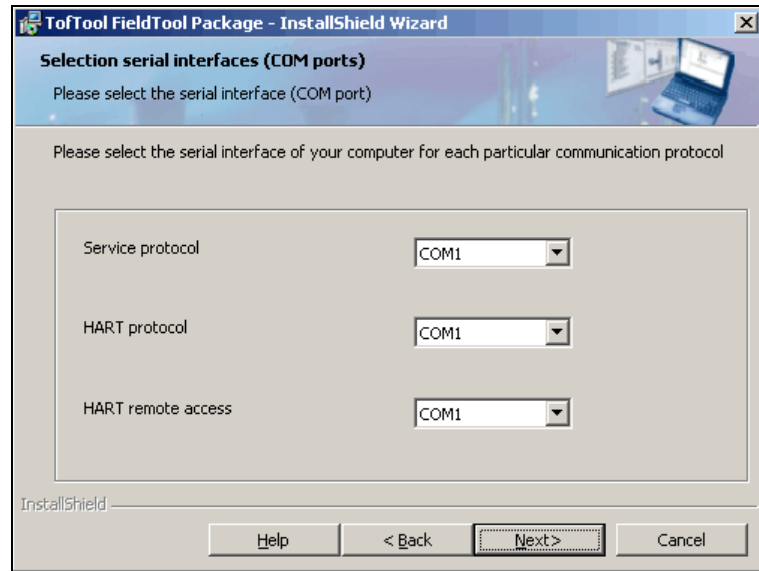


## 6. Selection of serial interfaces (COM ports)

Please select the serial interface of your computer for each particular communication protocol and click "**Next >**".

### Note!

The picklist only displays the serial interfaces available on your computer. If serial interfaces are taken for other devices (e.g. mouse, etc.), this is indicated in an error message and can be reassigned.



### Caution!

#### Deactivate FIFO buffer (only applies to HART communication)

In WINDOWS 2000/XP Professional, the default setting for the transmit and receive buffer has been changed from low to high. As the HART communication driver was developed for a small receive buffer, this setting must be adjusted accordingly.

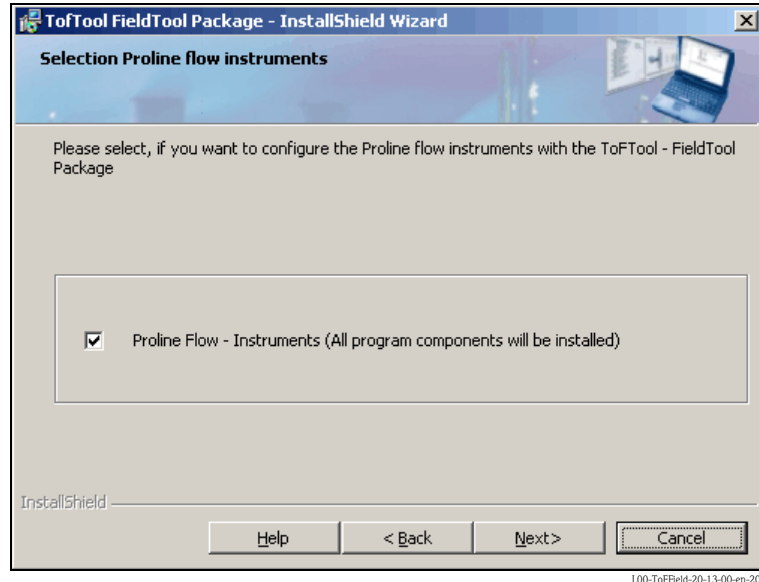
Do the following to find the settings in WINDOWS 2000/XP Professional:

- Right-click on "**My Computer**" and select "**Properties**".
- Then select the following path:  
**"Hardware → Device Manager... → Ports (COM & LPT) → COM 1...8"**
- Double-clicking the connection in question takes you to the following path:  
**"Properties → Port Settings → Advanced..."**
- Deselect the "**FIFO**" checkbox.

Once you have accepted the parameters, please restart your computer so the changes can take effect.

## 7. Selection of Proline flow instruments

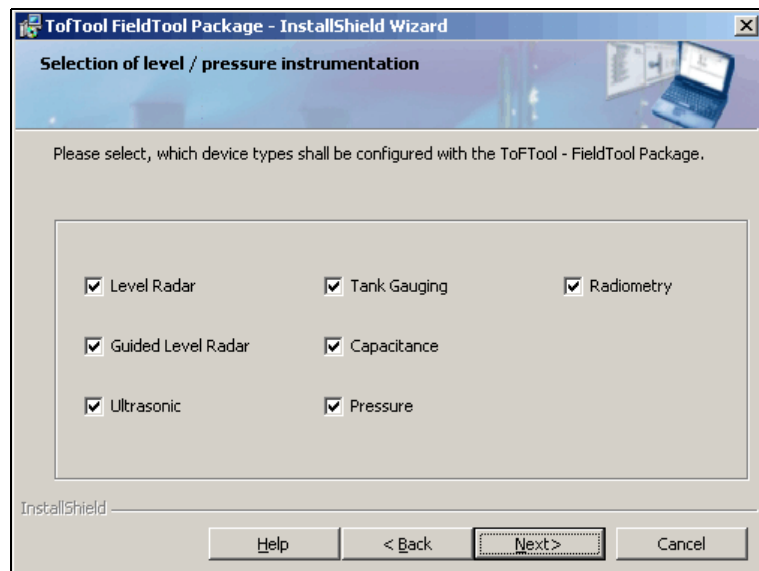
Here you can choose whether Proline flow instruments should be operated with the ToF Tool – Fieldtool Package. Select the "**Proline flow instruments (all program components will be installed)**" checkbox and click "**Next >**".



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## 8. Selection of level/ pressure instrumentation

Here you can choose which device groups should be operated with the ToF Tool – Fieldtool Package. Select the checkboxes required (e.g. for "**Level Radar**", "**Capacitance**", "**Pressure**", etc.) and click "**Next >**".



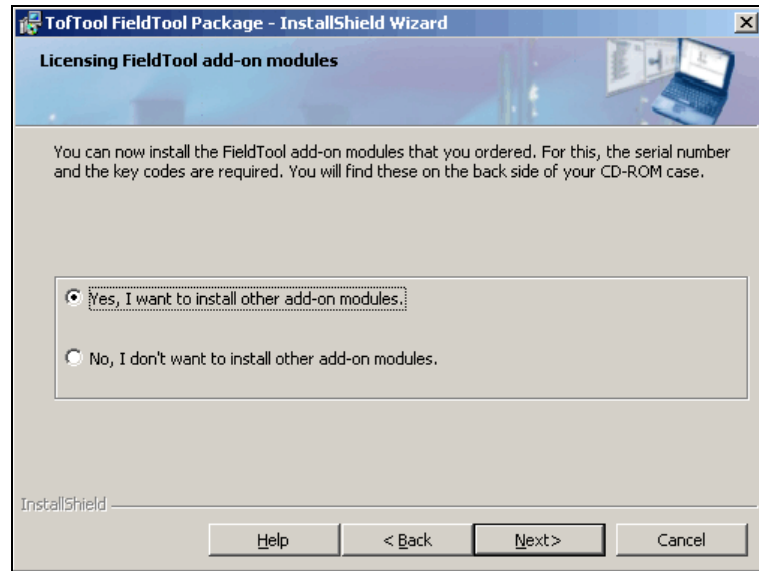
100-ToField-20-13-00-en-206

### 9. Licensing Fieldtool add-on modules

Here you can choose whether the Fieldtool add-on modules you ordered should be installed. Select **"Yes, I want to install other add-on modules"** and click **"Next >"**.

#### Note!

The serial numbers and the key codes are required. This information can be found on the back of the CD-ROM cover.



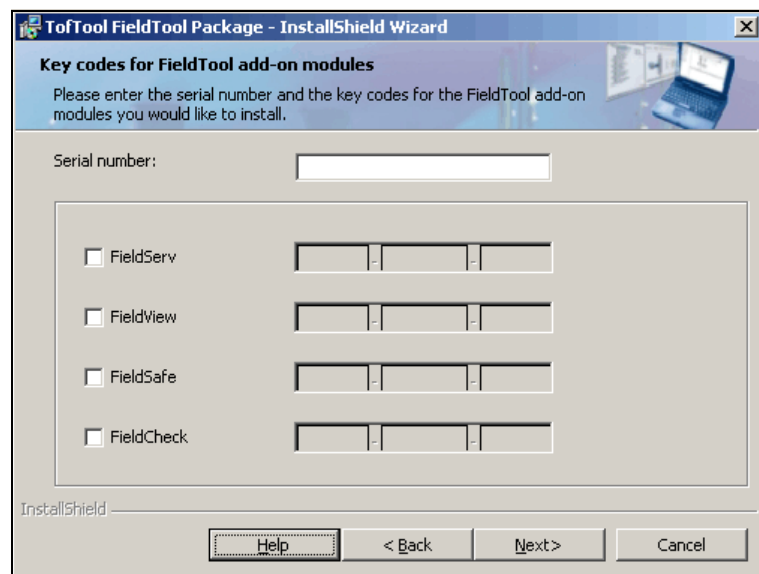
### 10. Key codes for Fieldtool add-on modules

Here you can enter the serial numbers and key codes for the Fieldtool add-on modules:

- Enter the serial number.
- Select the checkbox for the add-on module in question and enter the key code.
- Click **"Next >"**.

#### Note!

If the key codes were saved in advance, they are already in the fields and do not have to be re-entered.



11. **Target folder**

Before installing, make sure that you have enough space on your drives (see the "Hardware system requirements" section).

**Note!**

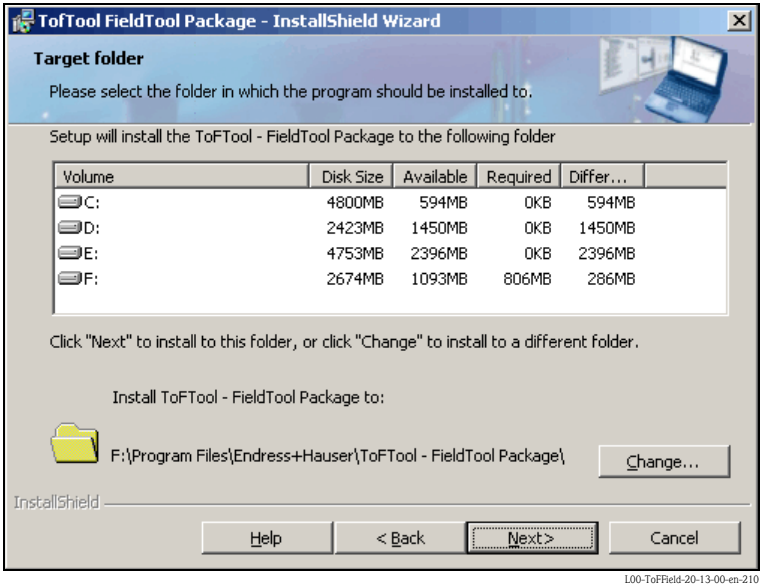
Here, you have an overview of the space required and the space available on the individual disk drives.

Use "**Change**" to specify the target drive and the path for the program installation.

Click "**Next >**".

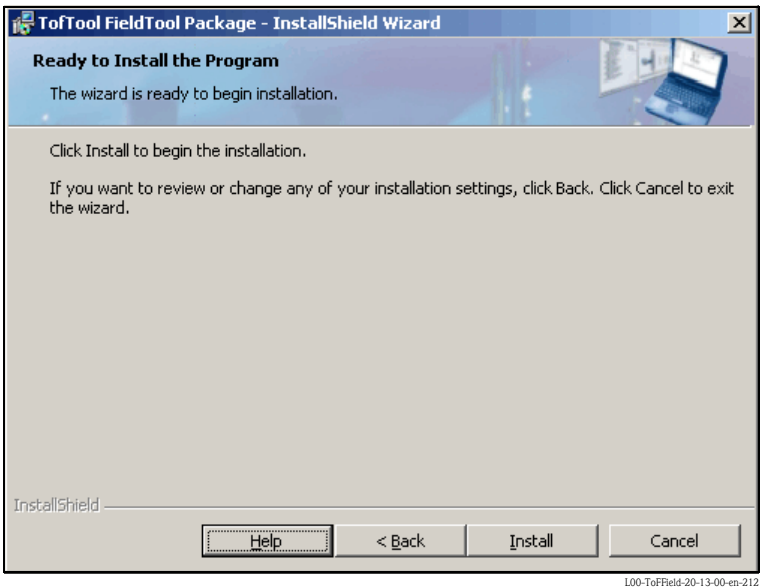
**Caution!**

If another target drive was selected for the program installation, (e.g. "**D:**"), please note that space is also required on the "**C:**" drive (approx. 100 MB) for some system components!



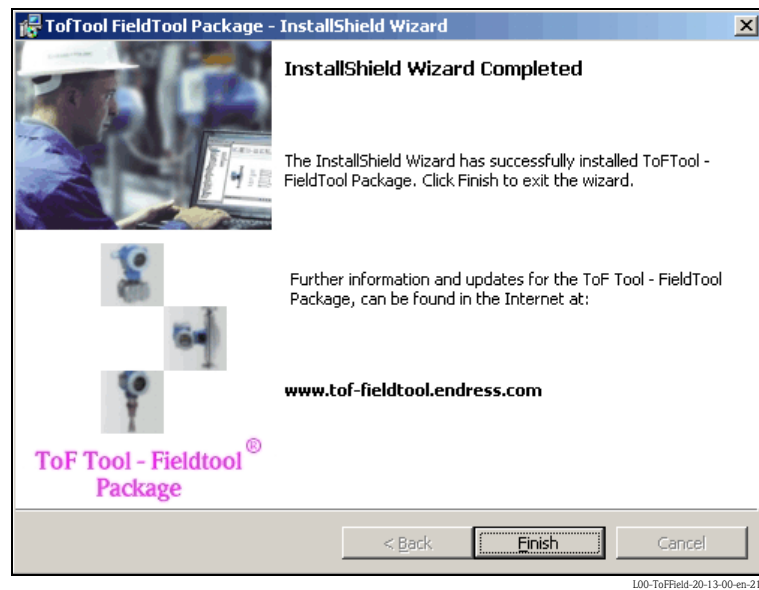
12. **Ready to install the program**

Click "**Install>**" to start the installation.



### 13. Completing the installation

The installation is completed. Click **"Finish"** to exit the InstallShield Wizard.



### Newsletter

At "[www.tof-fieldtool.endress.com](http://www.tof-fieldtool.endress.com)" you can subscribe to a newsletter. This provides you with regular information on the Service Packs (e.g. program updates, drivers and documentation for new measuring device groups or new software versions of the measuring devices).

## 2.2 Installing ToF Tool Documentation Pack

### Note!

The CD2 "Documentation CD-ROM" (= device documentation), is only supplied with:

- a level measurement device,
- a pressure measurement device (only with HistoROM)

For orders via the price list, only CD 1 "Program CD-ROM" is supplied.

### Caution!

**Please note the following when installing on Windows NT, Windows 2000 or Windows XP:**

- Only the Administrator can install the software on Windows NT, Windows 2000 or Windows XP. The Administrator must have the appropriate rights for the program directory required. If necessary, these rights can be assigned under "Properties/Security".
- After installation, the directory must be enabled for all users who are to use it (under "Properties/Sharing").

### Note!

You can install the ToF Tool Documentation Pack independently of the ToF Tool - Fieldtool Package. Please note the following before starting the installation:

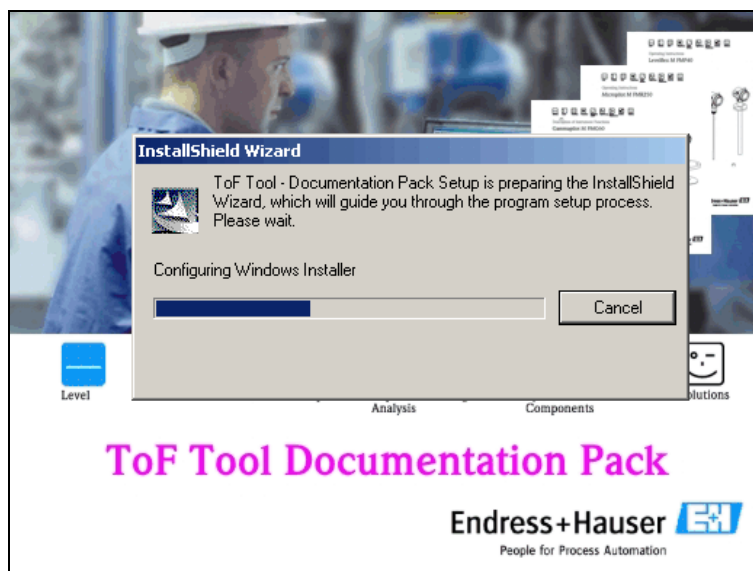
- The additional component "Internet Explorer" must already be installed.  
If it is not installed, an error message is displayed and you are asked to install it.
- The additional component "Adobe Acrobat" does not have to be installed during installation. Here you have the option of installing this at a later stage.

### Note!

However, you need Acrobat Reader to be able to open and view the device documentation.

### The following are sample instructions for Windows 2000

1. Prior to installing the ToF Tool Documentation Pack, close all applications open on your computer.
2. Insert CD 2 "ToF Tool - Documentation Pack" into the CD-ROM drive of your computer. The installation starts automatically. If it does not start automatically, start the "**setup.exe**" from this CD-ROM.

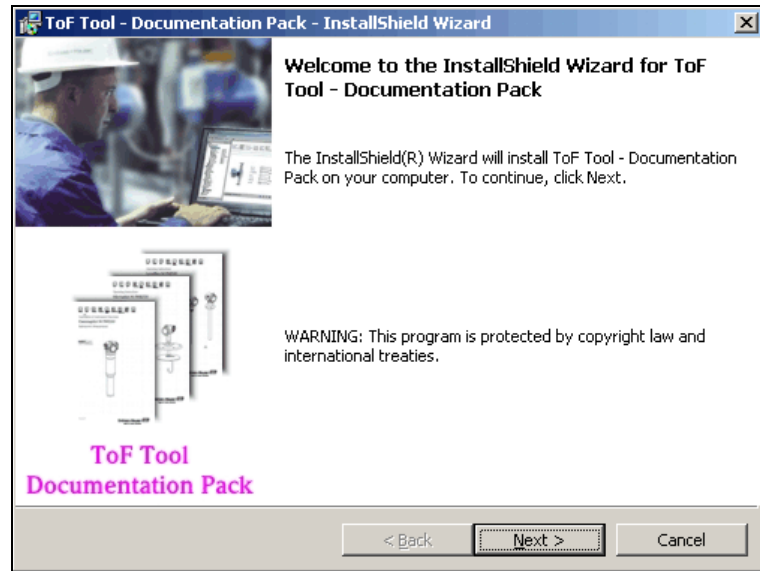


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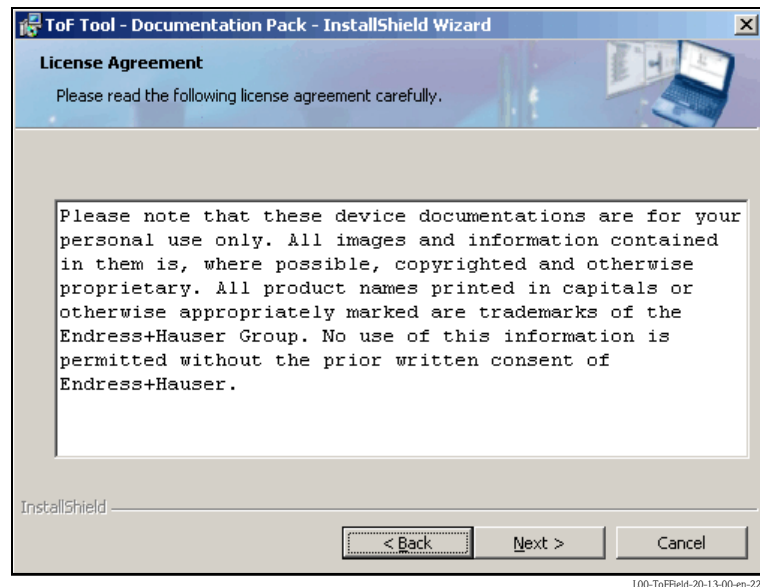
### 3. ToF Tool - Documentation Pack - InstallShield Wizard

The InstallShield Wizard, which you use to run the installation, is started automatically. Click "Next >".



### 4. License Agreement

Please read through the following license agreement carefully and click "Next >".



## 5. Selection of languages

The device documentation is always installed in English. Please select the checkbox(es) for the additional language(s) you would like to install and click **"Next >"**.

### Note!

English is automatically installed if a selected language is not available.

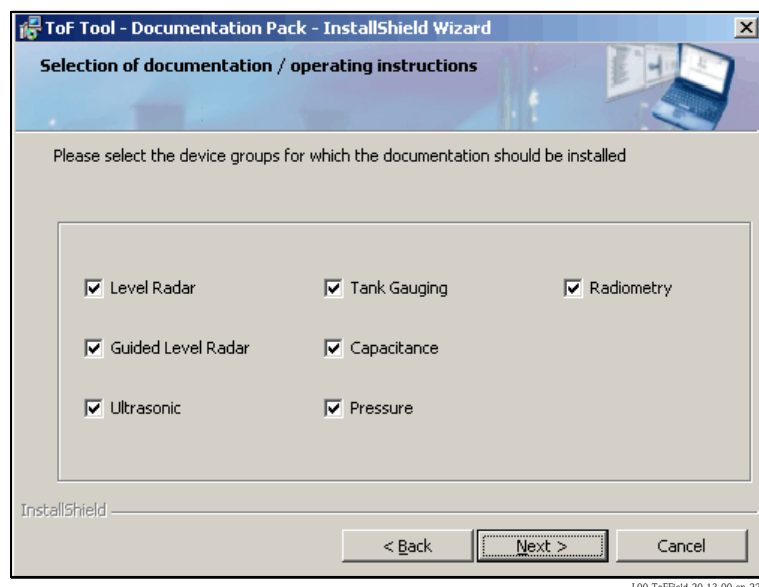


## 6. Selection of documentation/operating instructions

Here you can choose the device groups for which the documentation in the area of level/pressure should be installed. Select the checkboxes required (e.g. for **"Level Radar"**, **"Capacitance"**, **"Pressure"**, etc.) and click **"Next >"**.

### Note!

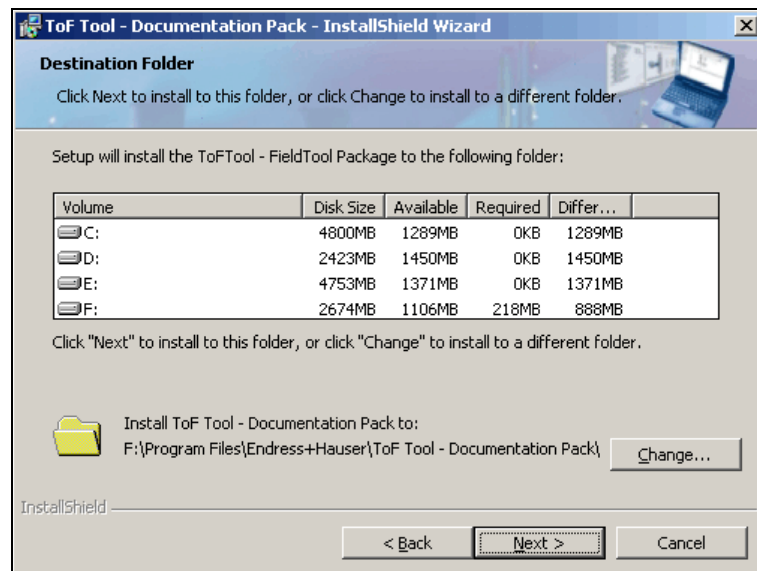
The documentation for flow instruments can be found on the internet under ["www.endress.com"](http://www.endress.com).



## 7. Destination folder

Here you can specify the target drive and the path for the program installation.

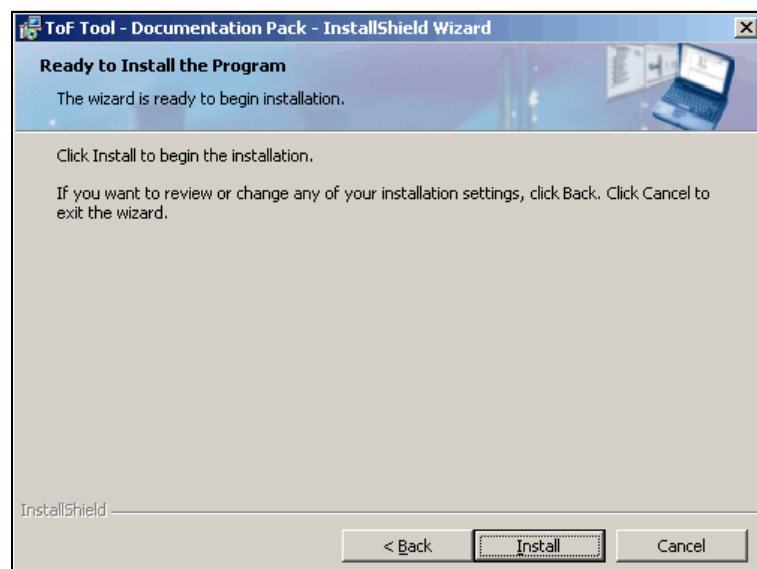
- If the ToF Tool - Fieldtool Package is already installed, the device documentation selected is installed in the same directory.
- If the ToF Tool - Fieldtool Package is not yet installed, the following screen appears with an overview of the space required and the space available on the individual disk drives. Select **"Change..."** to specify the target drive and the path for the program installation. Click **"Next >"**.



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## 8. Ready to Install the Program

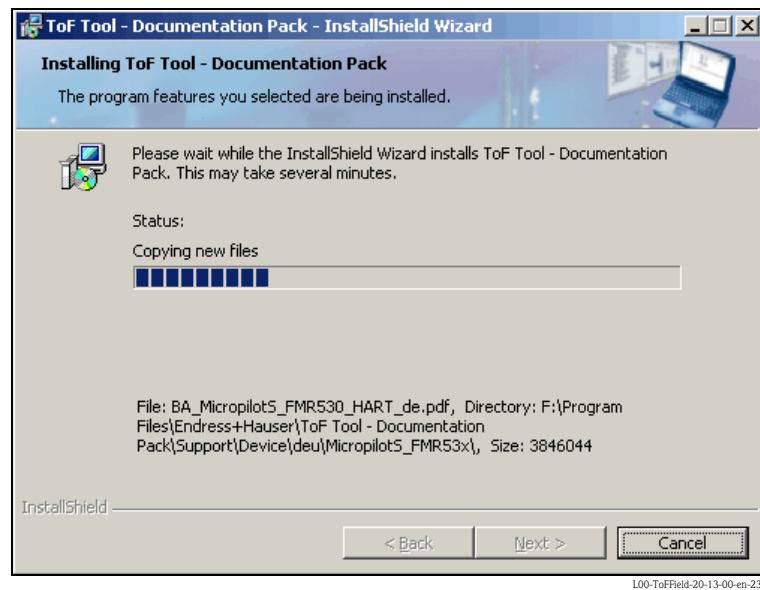
Click **"Install>"** to start the installation.



100-ToField-20-13-00-en-230

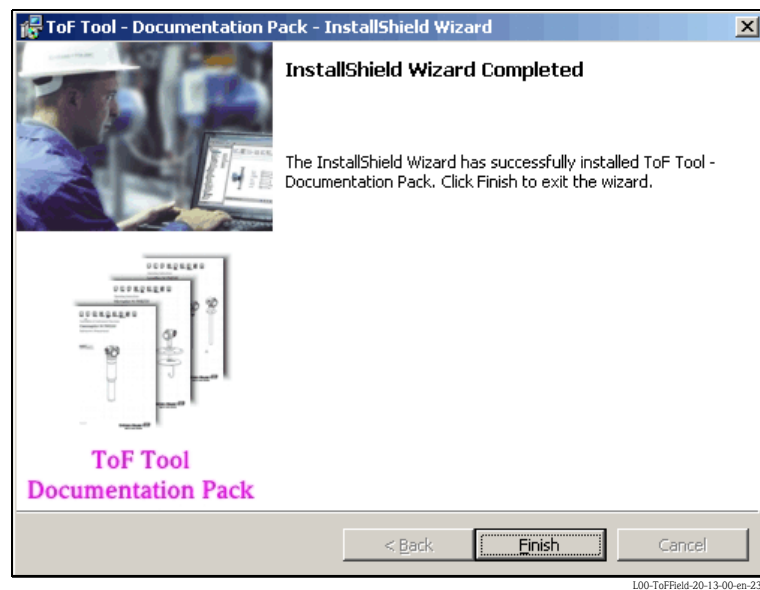
## 9. Installing ToF Tool - Documentation Pack

The device documentation selected is installed.



## 10. Completing the installation

The installation is completed. Click "**Finish**" to exit the InstallShield Wizard.



## **2.3 Installing the Service Pack**

### **2.3.1 Windows NT**

**Note!**

If you want to run the ToF Tool - Fieldtool Package on Windows NT 4.xx, you must first install Service Pack 6a or higher.

The latest version of the Service Pack can be found on the internet under "[www.microsoft.com/downloads](http://www.microsoft.com/downloads)".

### **2.3.2 Windows 2000**

**Note!**

If you want to run the ToF Tool - Fieldtool Package on Windows NT 2000, it is recommended to first install Service Pack 3 or higher.

The latest version of the Service Pack can be found on the internet under "[www.microsoft.com/downloads](http://www.microsoft.com/downloads)".

### **2.3.3 Windows XP**

**Note!**

If you want to run the ToF Tool - Fieldtool Package on Windows XP, it is recommended to first install Service Pack 1a or higher.

The latest version of the Service Pack can be found on the internet under "[www.microsoft.com/downloads](http://www.microsoft.com/downloads)".

## **2.4 Installing Internet Explorer 6.0**

**Note!**

The latest version of Internet Explorer can be found on the internet under "[www.microsoft.com/downloads](http://www.microsoft.com/downloads)".

## **2.5 Installing Adobe Acrobat Reader**

**Note!**

The latest version of Acrobat Reader can be found on the internet under "[www.adobe.com/support/downloads](http://www.adobe.com/support/downloads)".

## 3 Modifying an existing installation

### Caution!

When the ToF Tool - Fieldtool Package is **updated**, the first step always just updates the existing functionality of the program package. In other words, only the languages, device documentation, device drivers etc. that were selected by the user when originally installing version 2.0 (or higher) are updated.

If new functions are also to be installed, the CD ROM should be started a **second time** once the upgrade is complete. A screen then appears to select the program updates that allow you to install new device groups, languages, device drivers etc.

### 3.1 Modifying an existing installation

#### 3.1.1 Modifying the ToF Tool - Fieldtool Package installation

### Note!

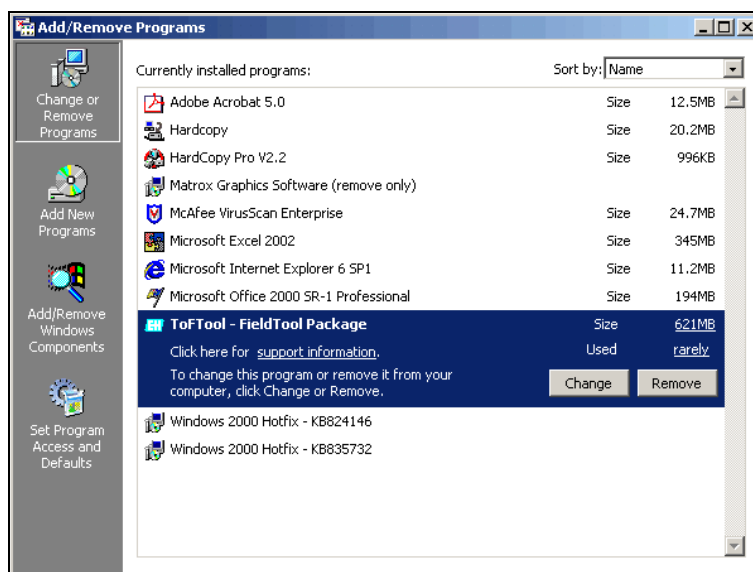
The following changes can be made to an existing installation:

- Program update, updating the software version (ToF Tool - Fieldtool Package)
- Language installation/uninstallation
- Alteration of the serial interface for devices
- Modification of the configuraton for Proline flowmeters
  - Activation/deactivation of operation via the ToF Tool - Fieldtool Package
  - Installation/uninstallation of the add-on modules for operating flow instruments via Fieldtool
- Modification of the configuraton for level and pressure instruments:
  - Installation/uninstallation of device drivers for certain device groups

### The following are sample instructions for Windows 2000

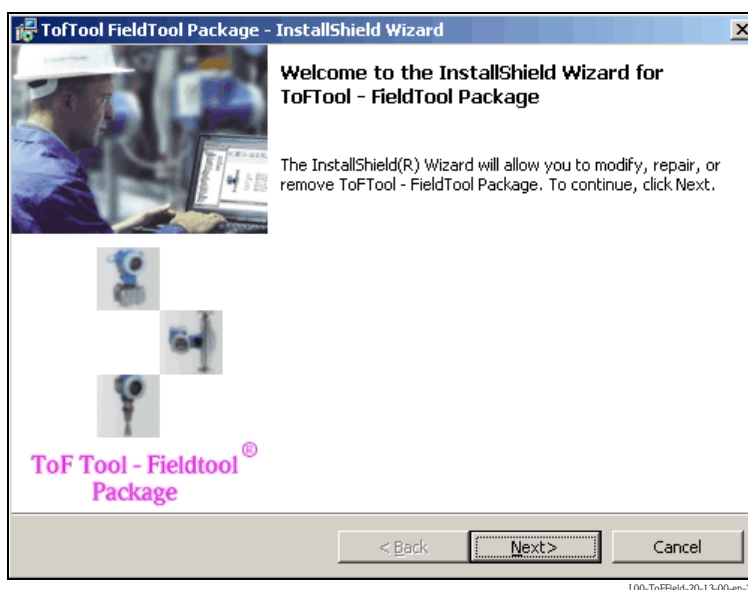
Proceed as follows to make changes to an existing installation:

1. Prior to making changes to an existing installation, close all applications on your computer
2. Select "**Start → Settings → Control Panel → Add/Remove Programs**".
3. Select the "ToF Tool - Fieldtool Package" software from the list and click "**Change**".

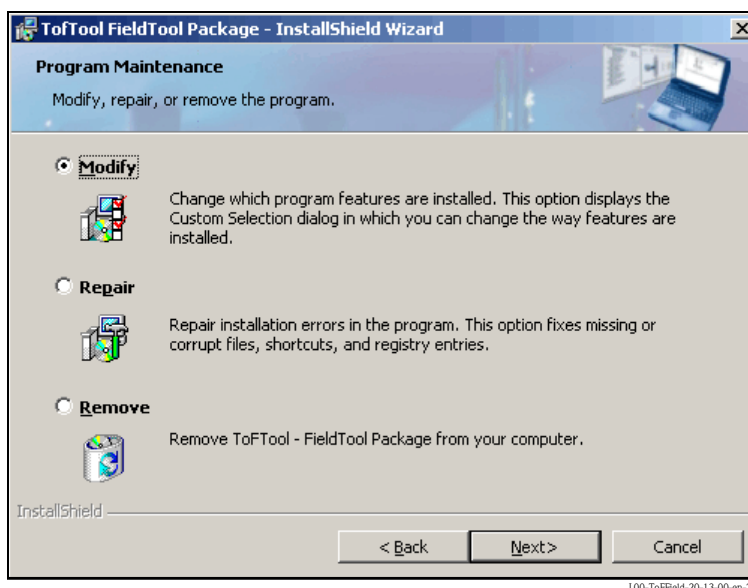


L00-ToFfield-20-13-00-en-215

4. The InstallShield Wizard, which you use to make the changes, is started automatically. Click **"Next >"**.



5. In the InstallShield Wizard, select the **"Modify"** option and click **"Next >"**.



### Note!

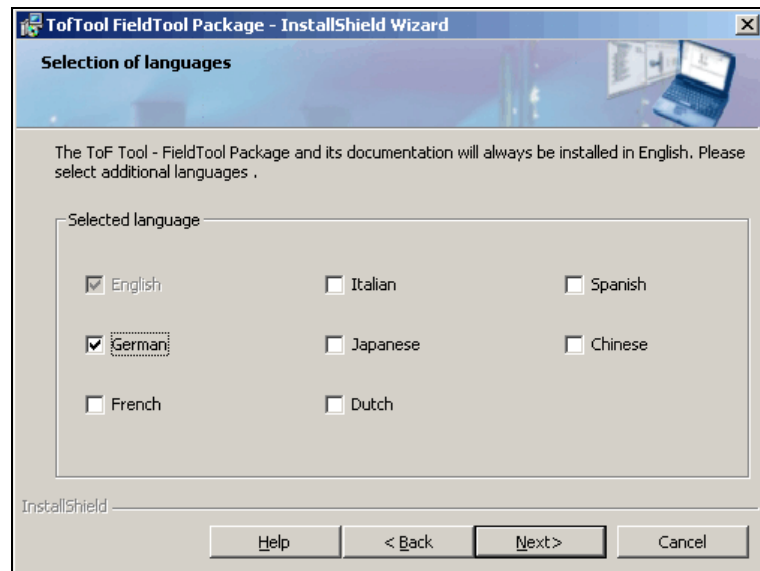
The sequence that follows is similar to that of the installation process. The individual software components are installed/uninstalled by selecting/deselecting the individual checkboxes.

6. **Selection of languages**

- Select the checkbox(es) for the additional language(s) you would like to install.
- Deselect the checkbox(es) for the language(s) you would like to uninstall.
- Click "**Next >**".

**Note!**

English is automatically installed if the selected language is not available for single components.



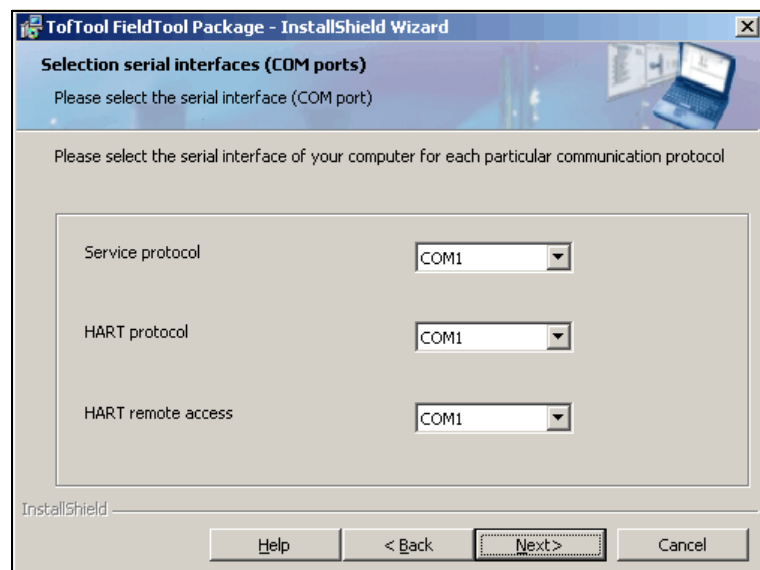
100-ToField-20-13-00-en-203

7. **Selection of serial interfaces (COM ports)**

Change the serial interface for each particular communication protocol and click "**Next >**".

**Note!**

The picklist only displays the serial interfaces available on your computer. If serial interfaces are already taken for other devices (e.g. mouse, etc.), this is indicated in an error message and can be reassigned.

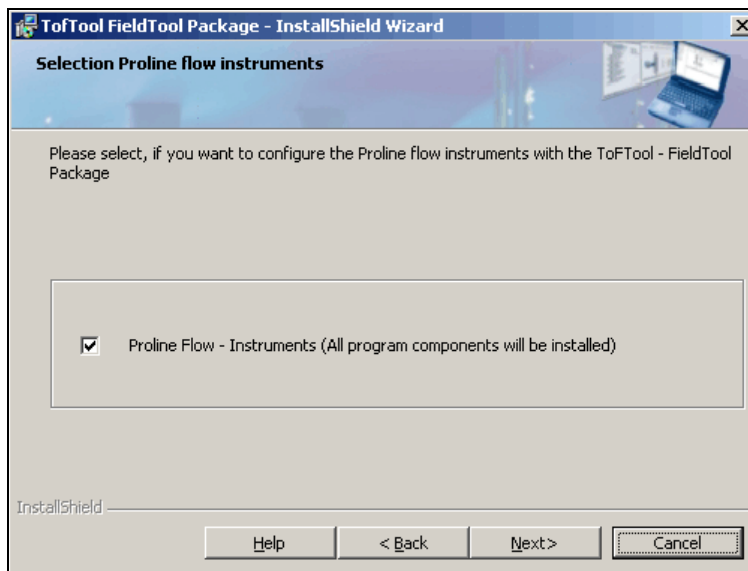


100-ToField-20-13-00-en-204



## 8. Selection of Proline flow instruments

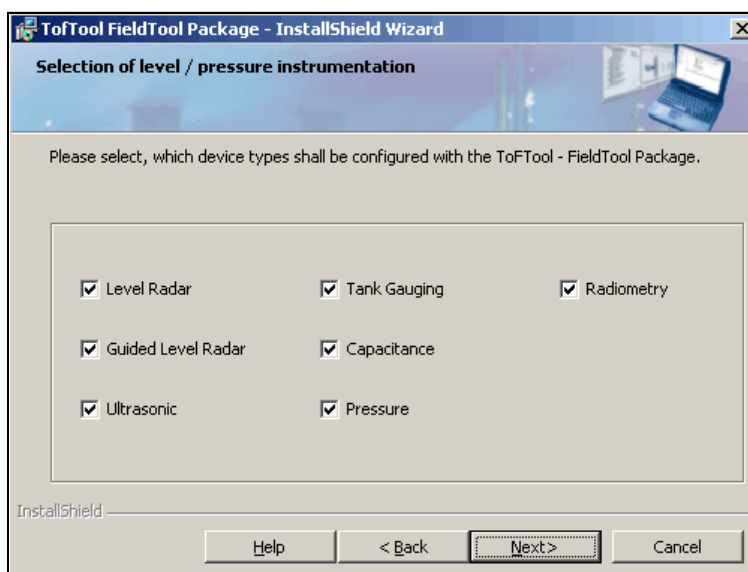
Here you can decide whether the Proline flow instruments should be operated with the ToF Tool - Fieldtool Package. Select or deselect the "**Proline flow instruments (all program components will be installed)**" checkbox and click "**Next >**".



100-ToField-20-13-00-en-205

## 9. Selection of level/ pressure instrumentation

- Select the checkboxes for the device groups (e.g. for "**Level Radar**", "**Capacitance**", "**Pressure**", etc.) that should be operated with the ToF Tool - Fieldtool Package. The device drivers required are installed.
- Deselect the checkboxes for the device groups (e.g. for "**Level Radar**", "**Capacitance**", "**Pressure**", etc.) that should no longer be operated with the ToF Tool - Fieldtool Package. The corresponding device drivers required are uninstalled.
- Click "**Next >**".



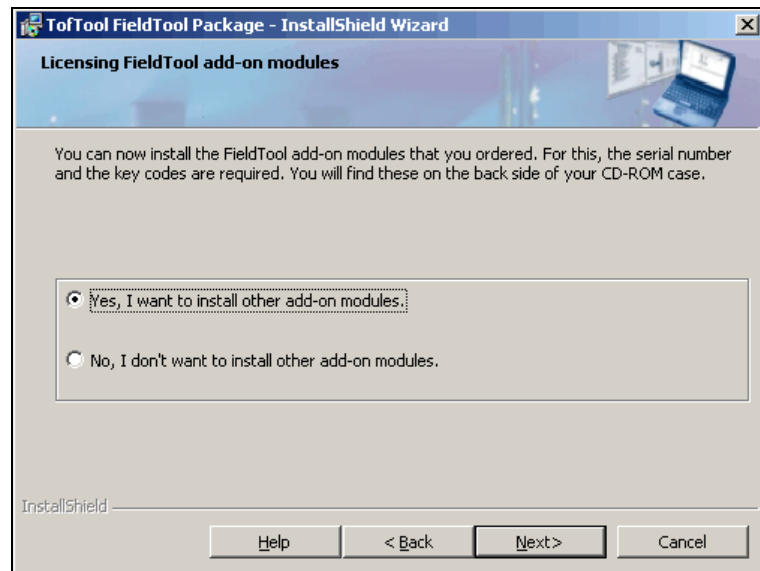
100-ToField-20-13-00-en-206

10. **Licensing Fieldtool add-on modules**

Here you can choose whether the Fieldtool add-on modules you ordered should be installed. Select **"Yes, I want to install other add-on modules"** and click **"Next >"**.

**Note!**

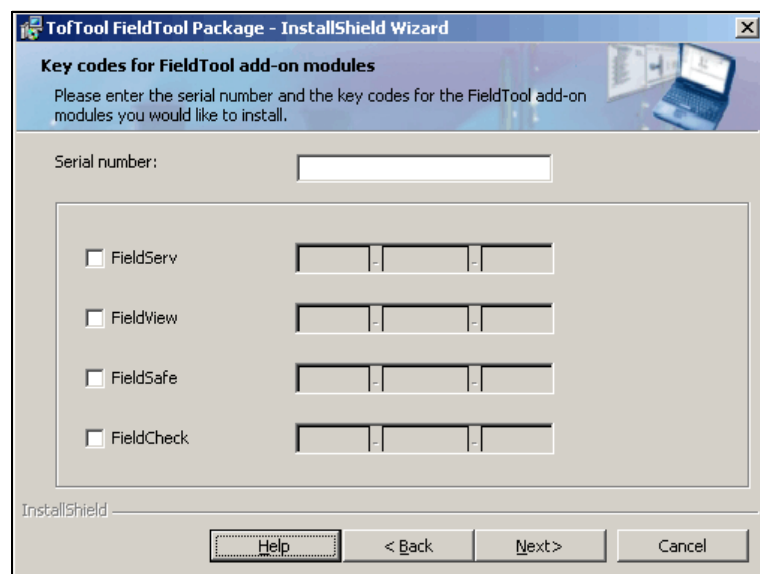
The serial numbers and the key codes are required. This information can be found on the back of the CD-ROM cover.



11. **Key codes for Fieldtool add-on modules**

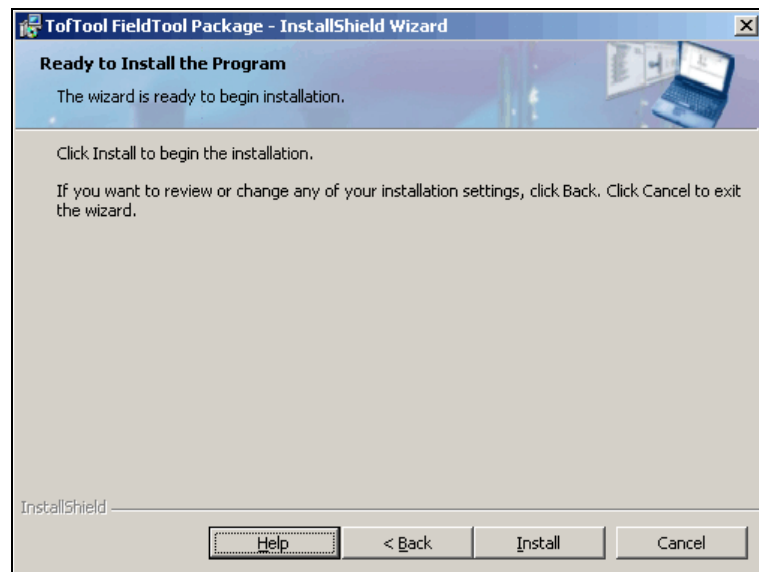
Here you can enter the serial numbers and key codes for the Fieldtool add-on modules:

- Enter the serial number.
- Select the checkbox(es) for the add-on module(s) in question and enter the key code(s).
- Click **"Next >"**.



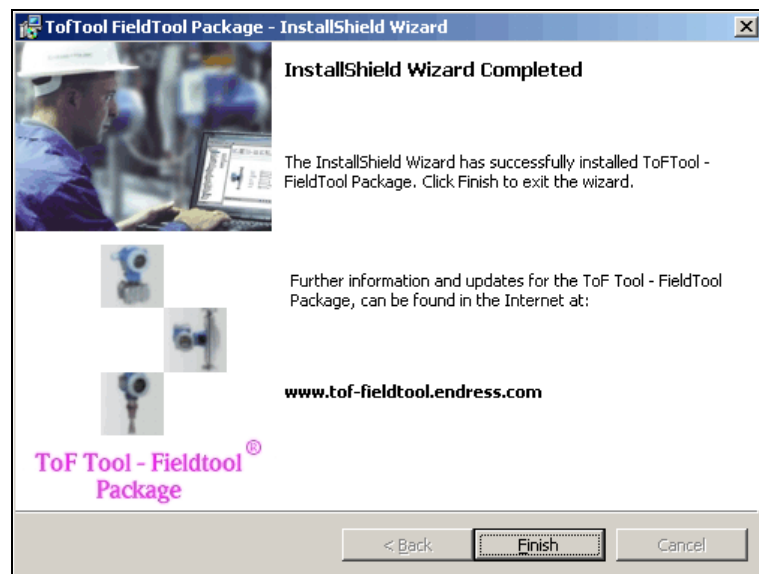
## 12. Ready to Install the Program

Click "**Install**> "" to start the modification.



## 13. Completing the installation

The installation is completed. Click "**Finish** " to exit the InstallShield Wizard.



### 3.1.2 Modifying the ToF Tool Documentation Pack installation

#### Note!

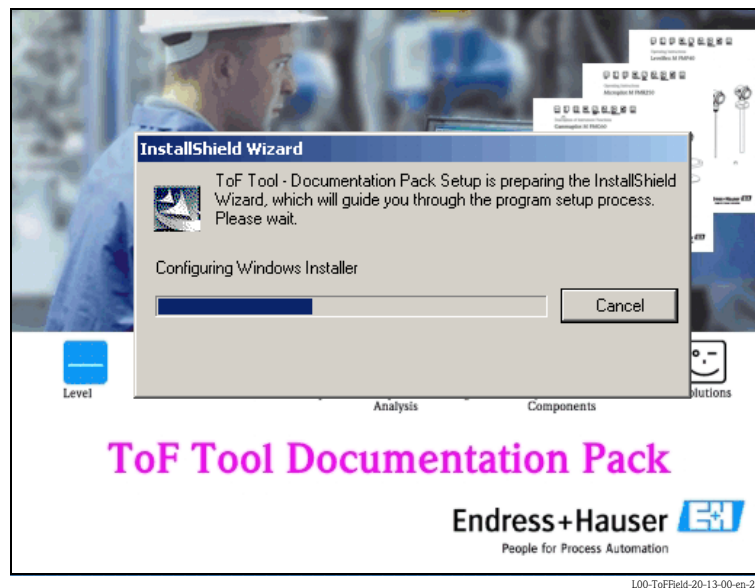
The following changes can be made to an existing installation:

- Modification of the configuraton for level and pressure instruments:
  - Installation/uninstallation of documentation for certain device groups

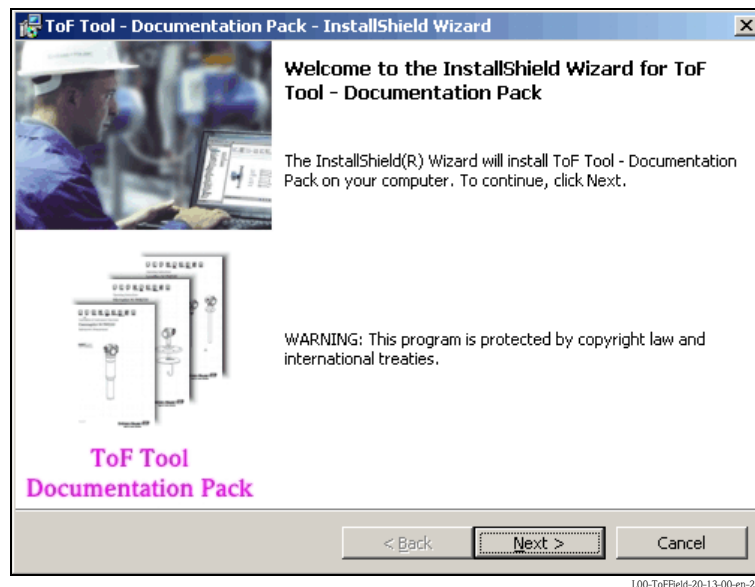
#### The following are sample instructions for Windows 2000

Proceed as follows to make changes to an existing installation:

1. Insert CD 2 "ToF Tool Documentation Pack" into the CD-ROM drive of your computer. The CD is started automatically. If it does not start automatically, start the "**setup.exe**" from this CD.

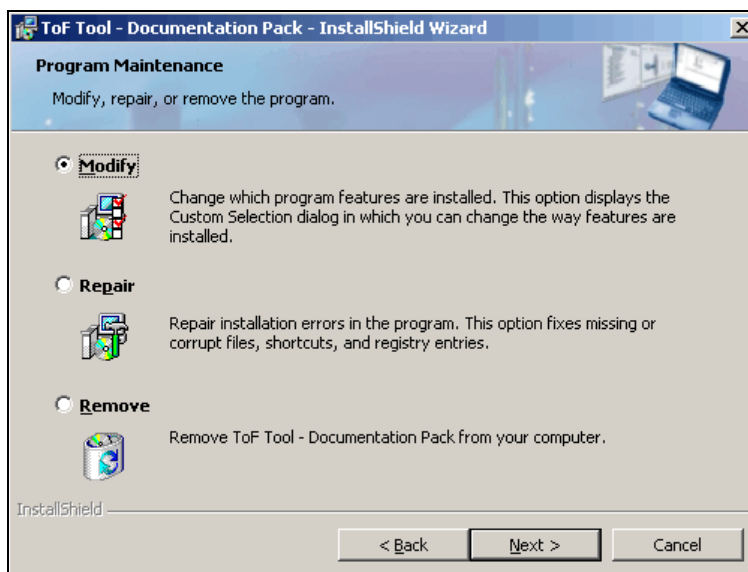


2. The InstallShield Wizard, which you use to make the changes, is started automatically.



### 3. ToF Tool - Documentation Pack - InstallShield Wizard

In the InstallShield Wizard, select the **"Modify"** option and click **"Next >"**.



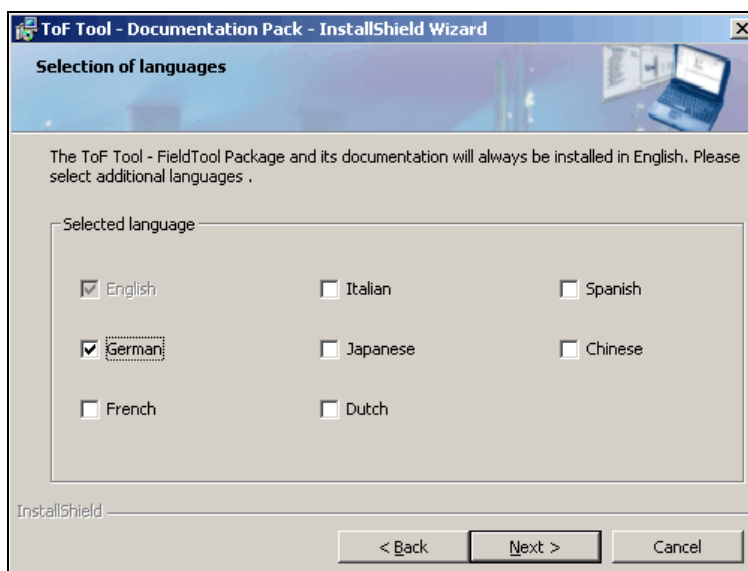
L00-ToField-20-13-00-en-233

### 4. Selection of languages

- Select the checkbox(es) for the additional language(s) you would like to install.
- Deselect the checkbox(es) for the language(s) you would like to uninstall.
- Click **"Next >"**.

#### Note!

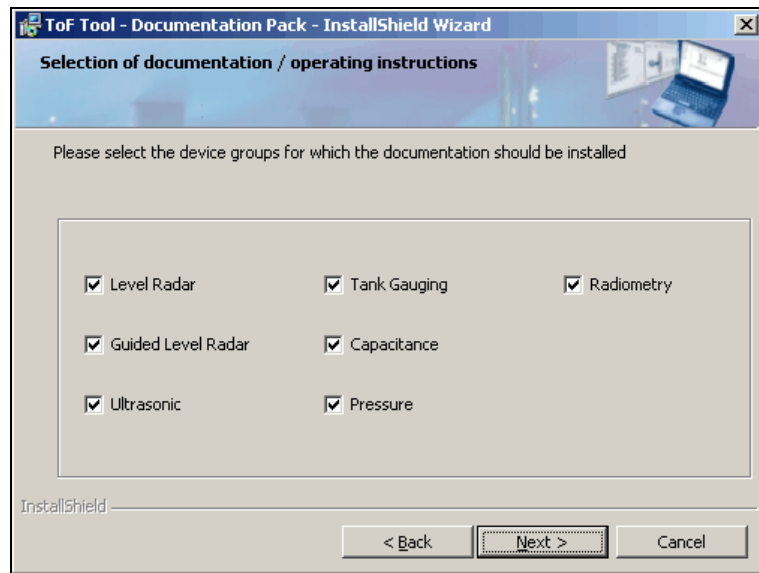
English is automatically installed if a selected language is not available.



L00-ToField-20-13-00-en-227

5. **Selection of documentation/operating instructions**

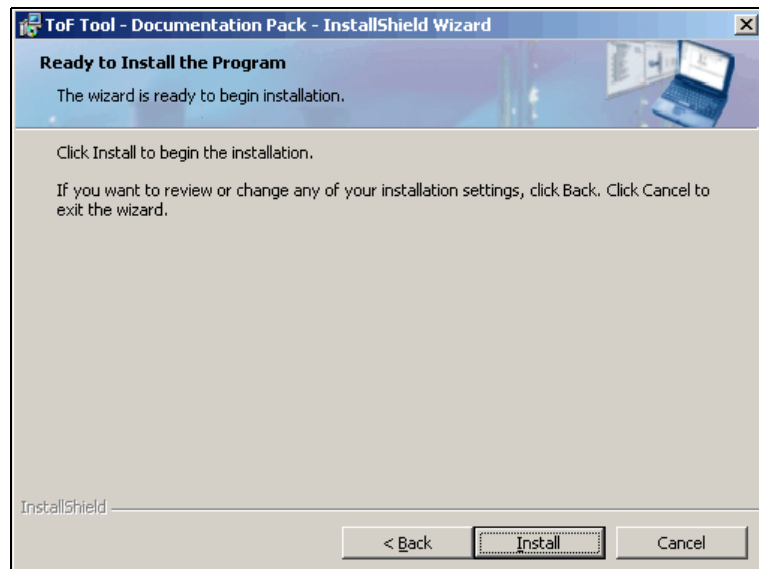
- Select the checkboxes for the device groups (e.g. for "**Level Radar**", "**Capacitance**", "**Pressure**", etc.) for which the device documentation should be installed.
- Deselect the checkboxes for the device groups (e.g. for "**Level Radar**", "**Capacitance**", "**Pressure**", etc.) for which the device documentation should be uninstalled.
- Click "**Next >**".



100-ToField-20-13-00-en-228

6. **Ready to install the program**

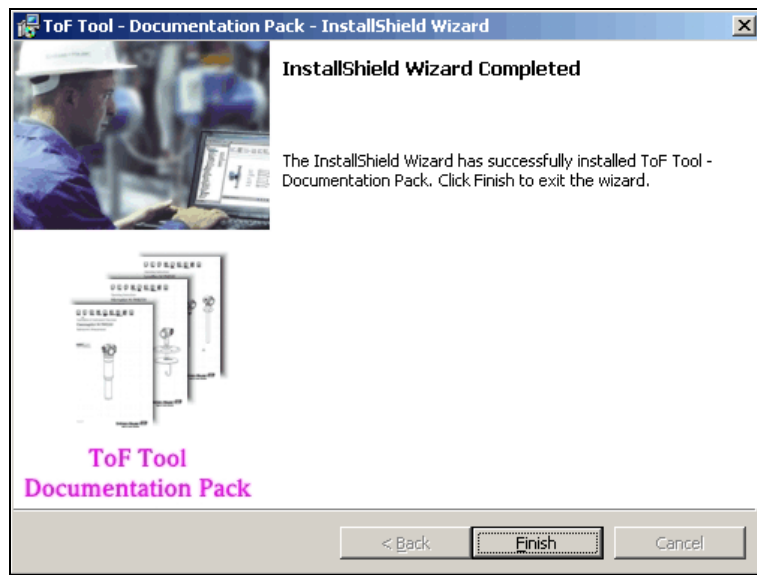
Click "**Install>**" to start the modification.



100-ToField-20-13-00-en-230

## 7. Completing modifications

The modifications have been completed. Click "**Finish**" to exit the InstallShield Wizard.



## 3.2 Repairing an existing installation

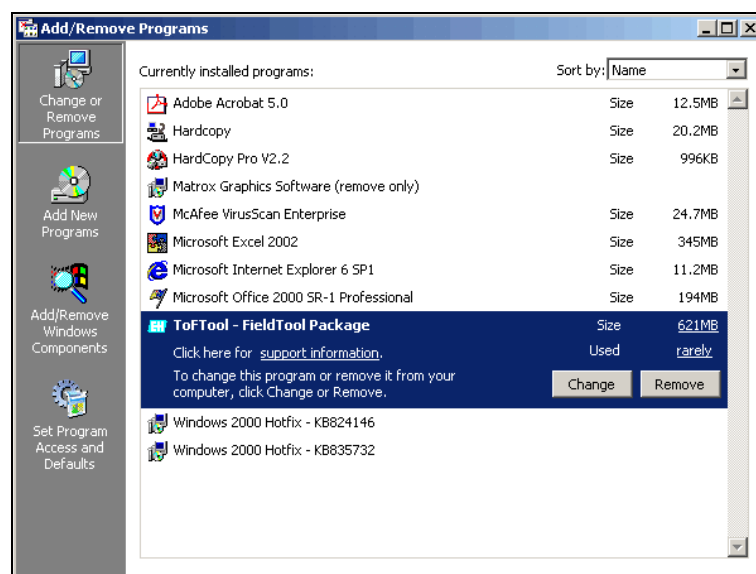
### 3.2.1 Repairing the ToF Tool - Fieldtool Package installation

When an existing installation is repaired, all the installed program components are reinstalled and the registry is updated.

**The following are sample instructions for Windows 2000**

Proceed as follows to repair an existing installation:

1. Prior to repairing an existing installation, close all applications on your computer
2. Select **"Start → Settings → Control Panel → Add/Remove Programs"**.
3. Select the "ToF Tool - Fieldtool Package" software from the list and click **"Change"**.



100-ToField-20-13-00-en-115

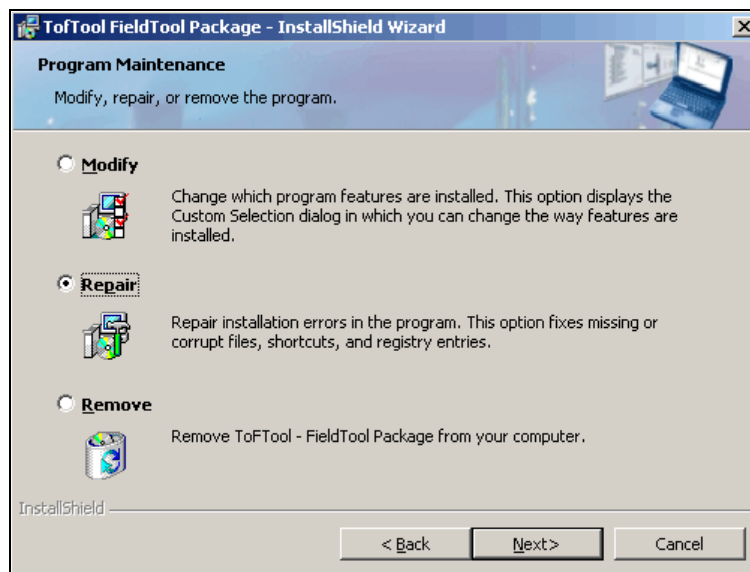
4. The InstallShield Wizard, which you use to repair an installation, is started automatically. Click **"Next > "**.



100-ToField-20-13-00-en-122

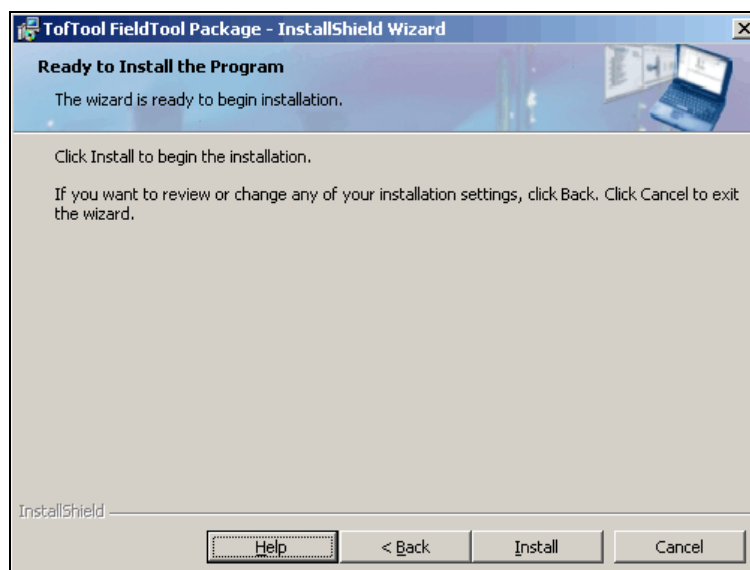


5. In the InstallShield Wizard, select the **"Repair"** option and click **"Next >"**.



100-ToField-20-13-00-en-123

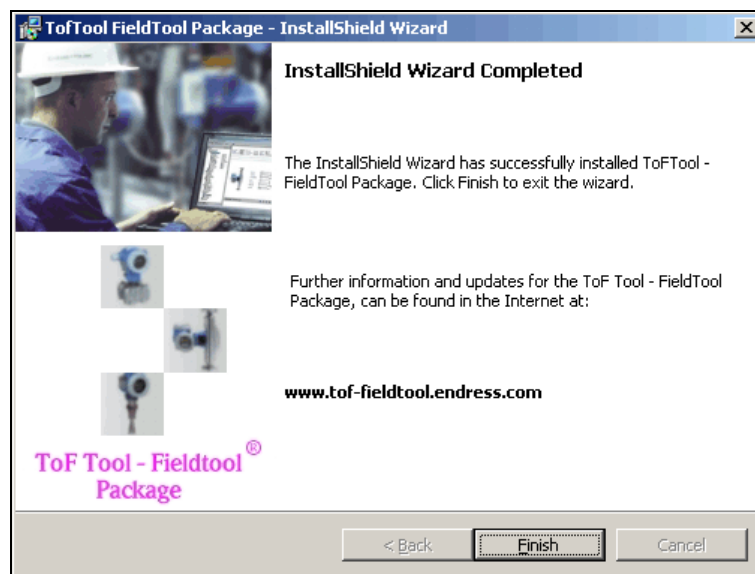
6. **Ready to install the program**  
Click **"Install> ""** to start the repair process.



100-ToField-20-13-00-en-112

7. **Completing the installation**

The installation is completed. Click "**Finish**" to exit the InstallShield Wizard.



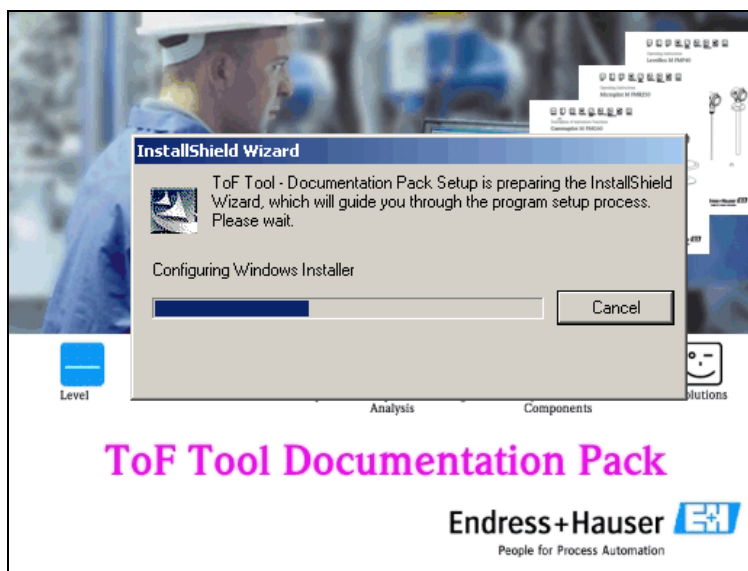
### 3.2.2 Repairing the ToF Tool Documentation Pack installation

When an existing installation is repaired, all the installed program components are reinstalled and the registry is updated.

**The following are sample instructions for Windows 2000**

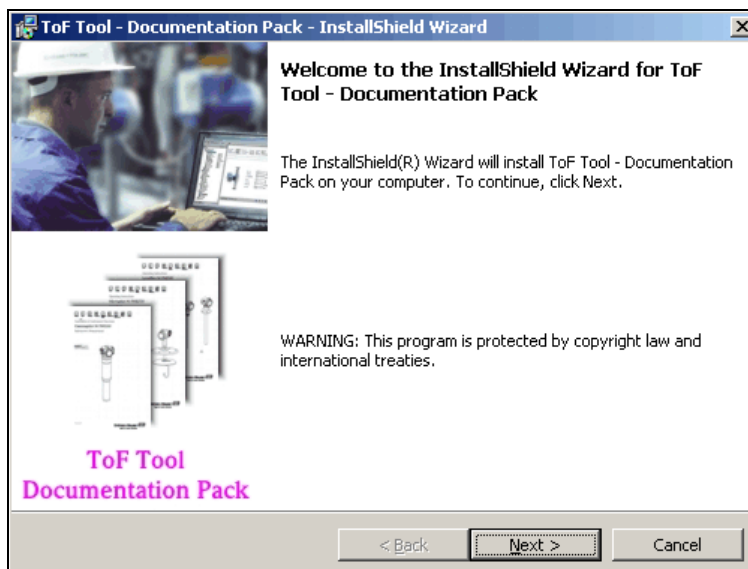
Proceed as follows to repair an existing installation:

1. Insert CD 2 "ToF Tool Documentation Pack" into the CD-ROM drive of your computer. The CD is started automatically. If it does not start automatically, start the "**setup.exe**" from this CD.



100-ToField-20-13-00-en-224

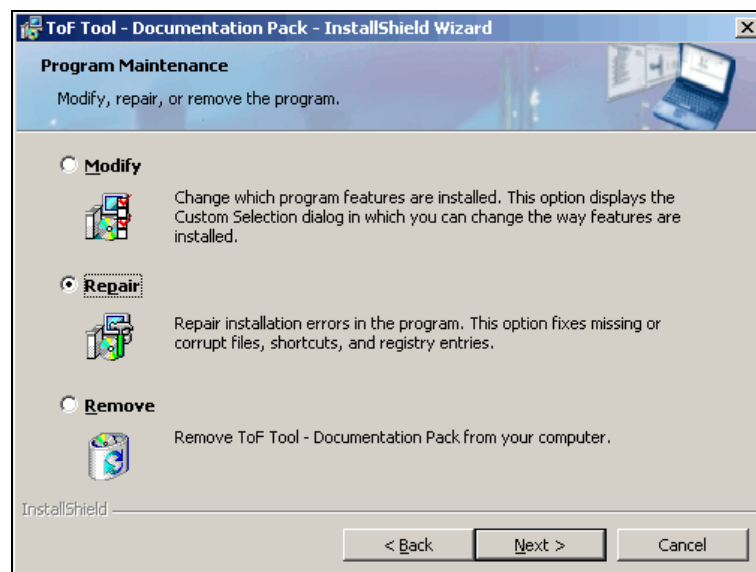
2. The InstallShield Wizard, which you use to repair an installation, is started automatically.



100-ToField-20-13-00-en-225

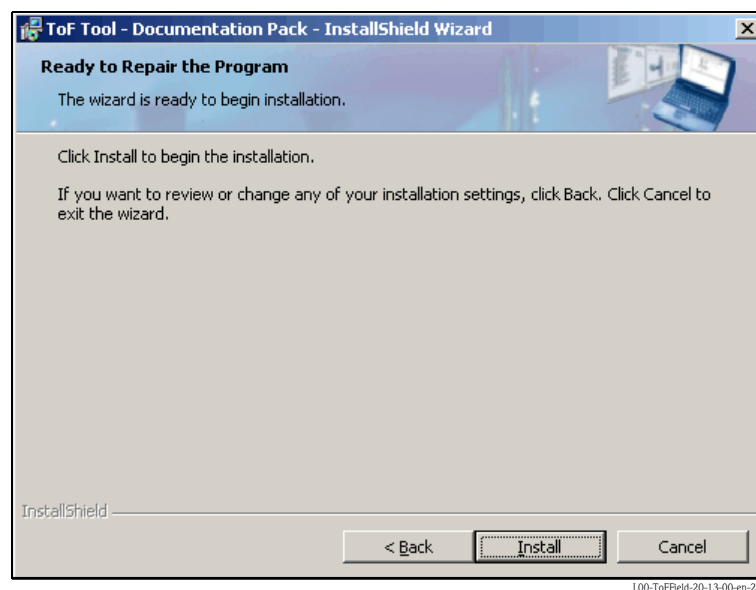
3. **ToF Tool - Documentation Pack - InstallShield Wizard**

In the InstallShield Wizard, select the **"Repair"** option and click **"Next >"**.



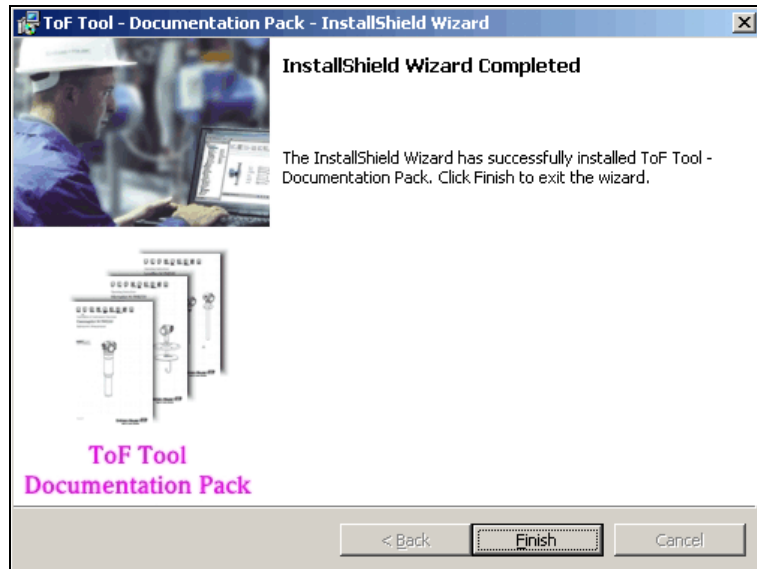
4. **Ready to repair the program**

Click **"Install> ""** to start the repair process.



## 5. Completing the repair

The repair is completed. Click "**Finish**" to exit the InstallShield Wizard.



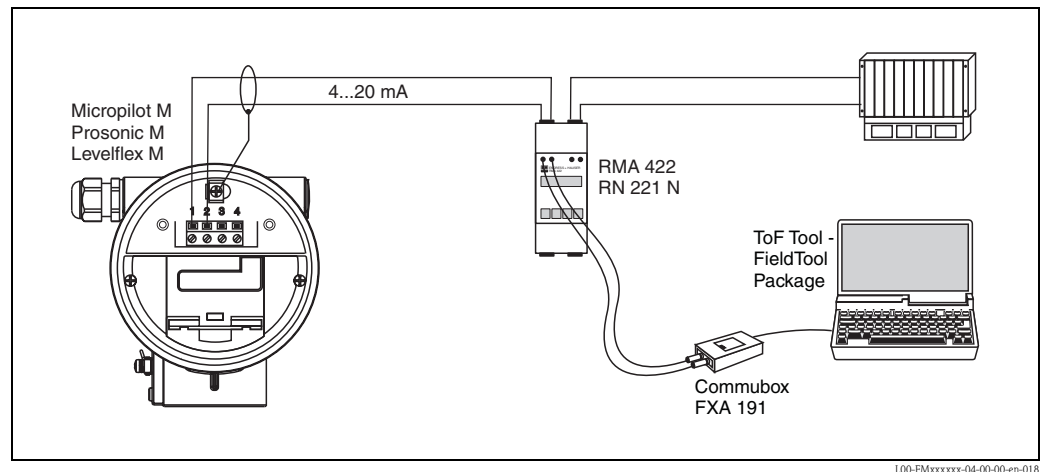
L00-ToField-20-13-00-en-232

## 4 Connecting a measuring unit

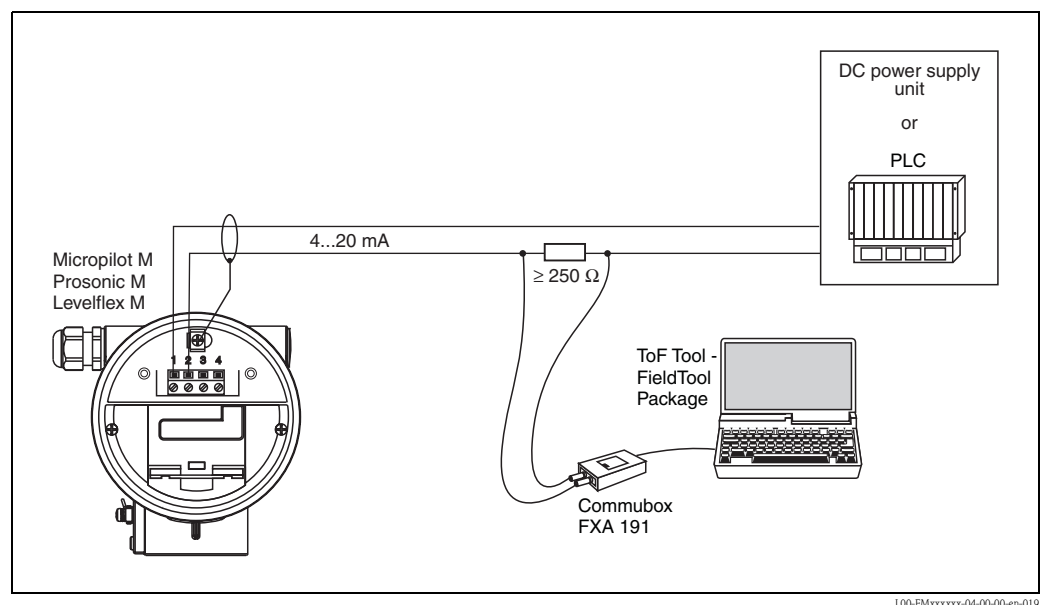
### 4.1 Connecting level measurement devices

#### 4.1.1 Connecting Micropilot M / Prosonic M / Levelflex M / Gammapiot M

##### Connecting HART with E+H RMA422/RN221N



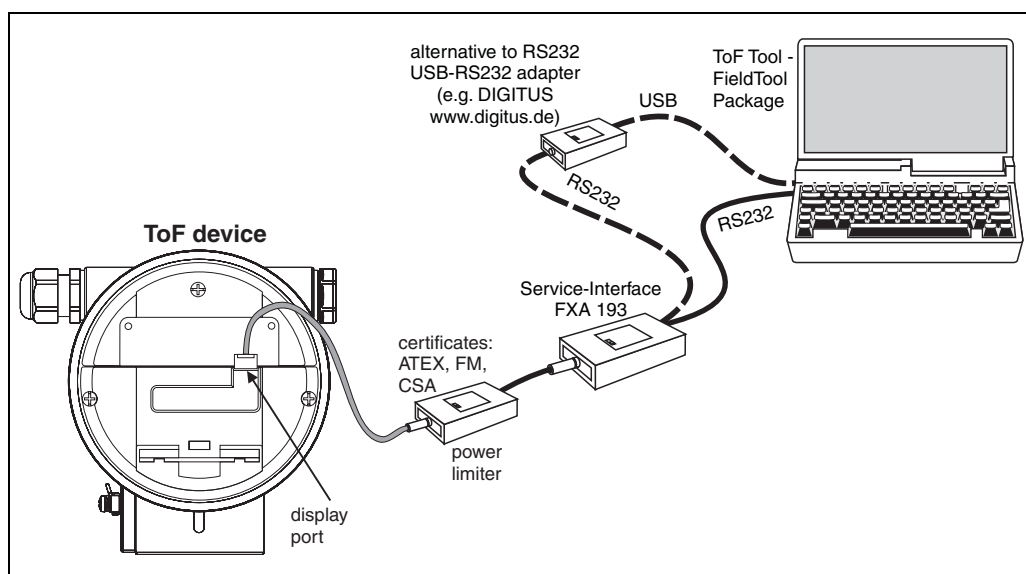
##### Connecting HART with other supply units



#### Caution!

If the HART communication resistor is not installed in the supply unit, a  $250 \Omega$  communication resistor must be integrated in the 2-wire line.

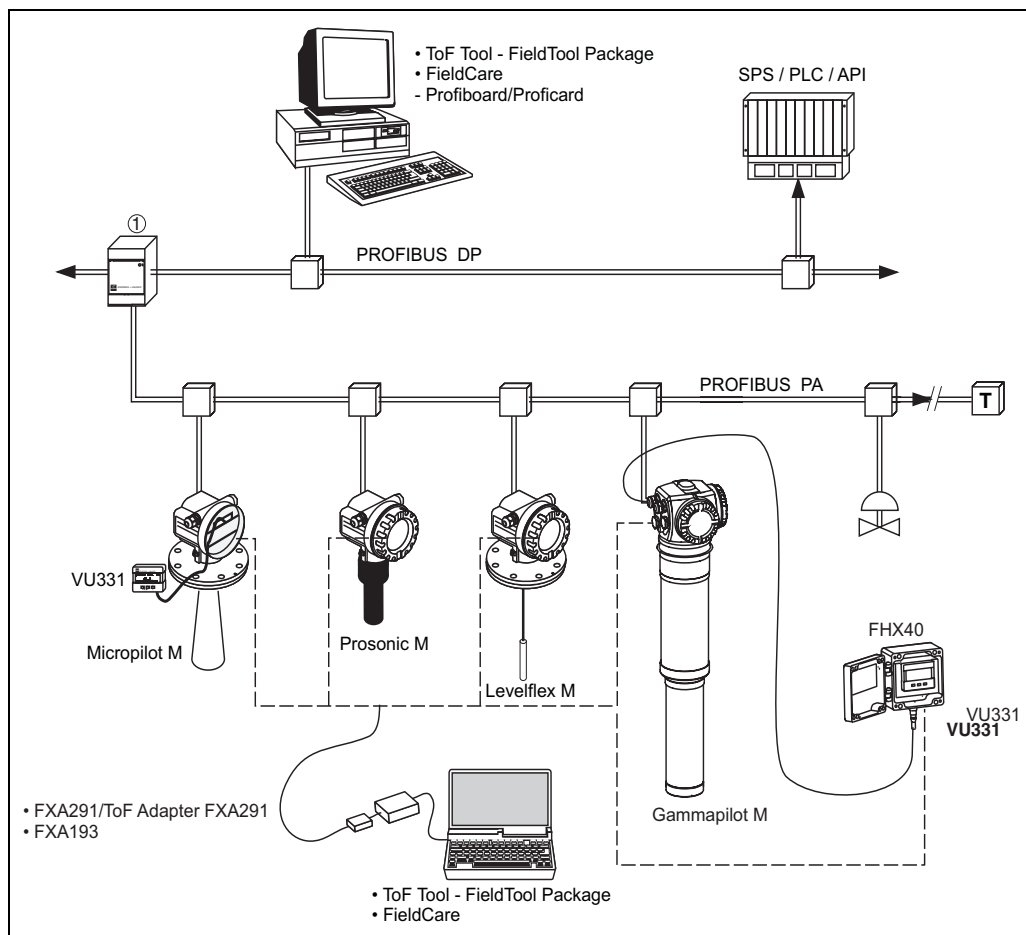
## Connecting with Service-Interface FXA193



L00-FMxxxxxx-04-00-00-en-020

## Connecting PROFIBUS PA

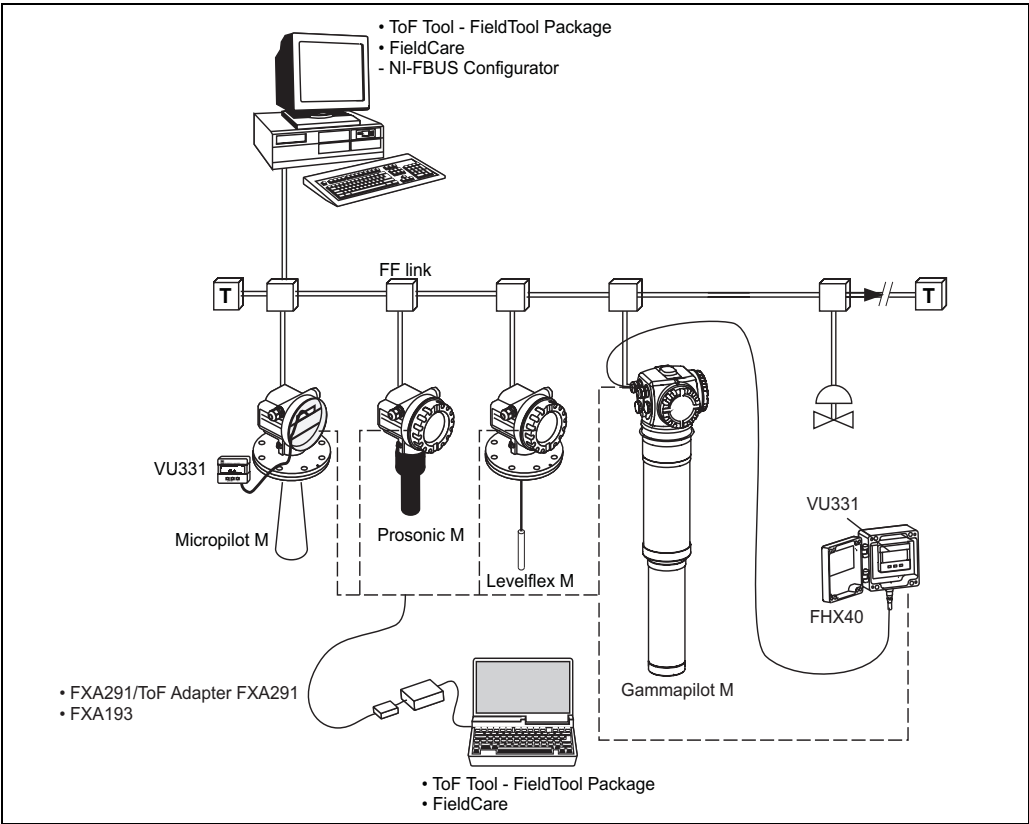
A maximum of 32 transmitters (8 if mounted in an explosion hazardous location EEx ia IIC according to the FISCO model) can be connected to the bus. The segment coupler (ȷ) provides the operating voltage to the bus. For further information on the PROFIBUS-PA standard refer to the Operating Manual BA 198F "PROFIBUS-DP/PA: Guidelines for planning and commissioning" or to the PROFIBUS-PA specification EN 50170 (DIN 19245).



L00-FMxxxxxx-14-00-06-xx-001

Connecting FOUNDATION Fieldbus

A maximum of 32 transmitters (standard or EEx d) can be connected to the bus. For protection class EEx ia: the maximum number of transmitters depends on the established rules and standards for intrinsically safe circuits (EN 60070-14) and proof on intrinsic safety.



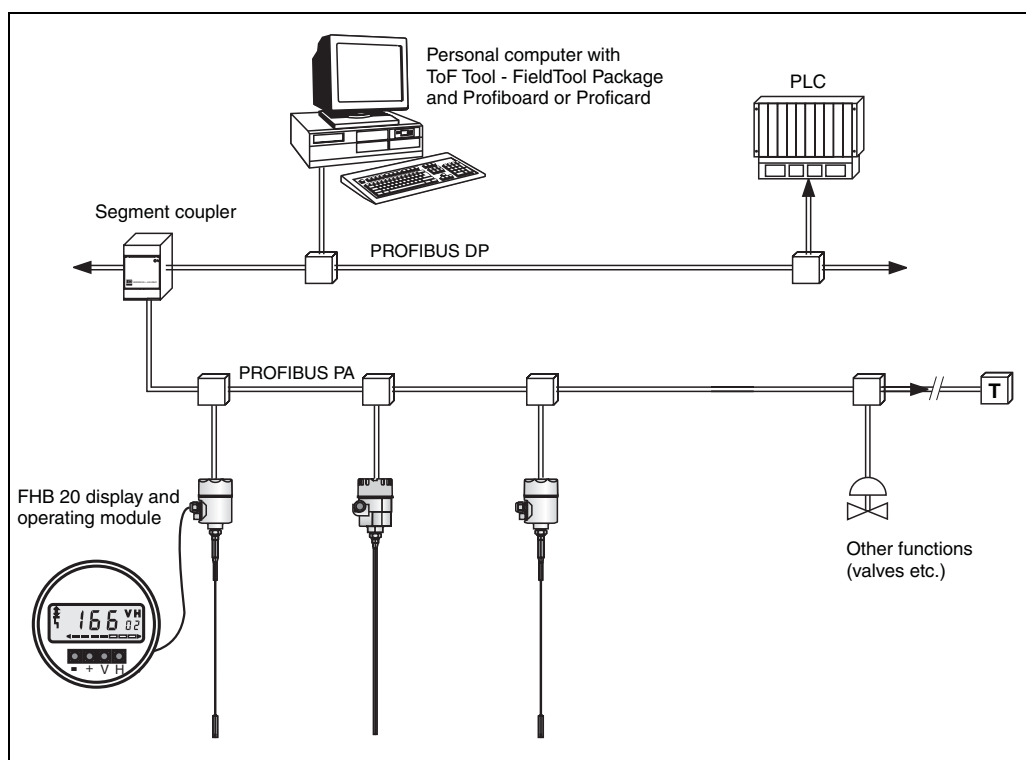
100-FMxxxxxx-14-00-06-xx-003



### 4.1.2 Connecting capacitance level measurement devices

The FEC 14 electronic insert is a compact transmitter. In the basic version, the entire measuringsystem consists of:

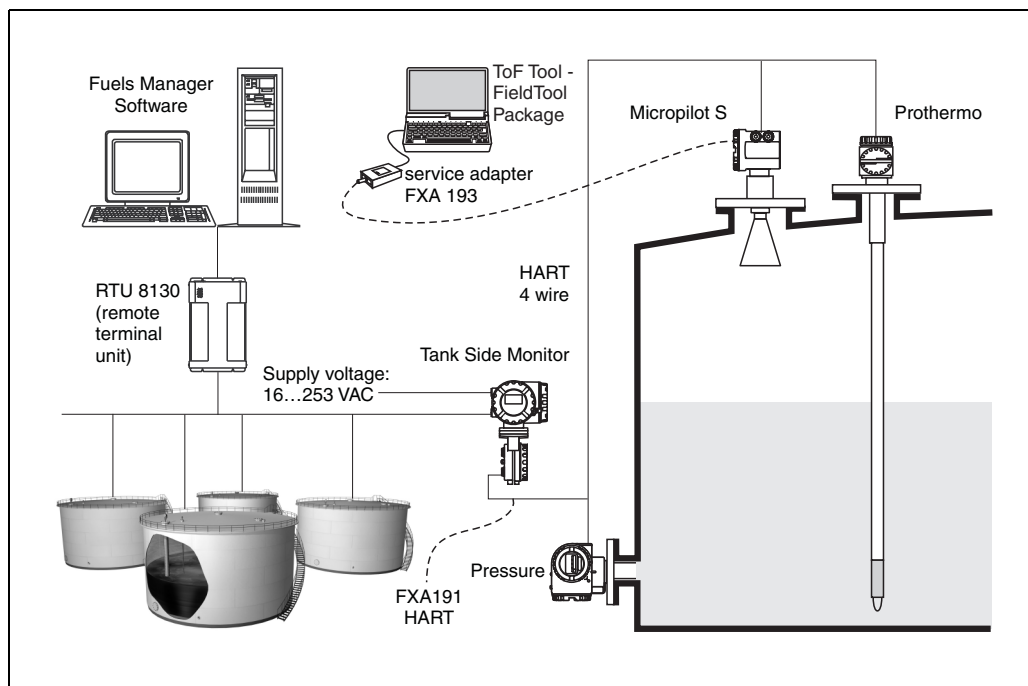
- The FEC 14 electronic insert
- a Multicap T or Multicap E/A probe DC..TE/TA or DC..E/A
- a PROFIBUS PA segment coupler and
- a process control system connected to the segment coupler and/or operating computer with appropriate software



100-FXXXXXX-14-00-06-en-001

## 4.2 Connecting tank gauging systems

The Endress+Hauser Tank Side Monitor NRF 590 provides integrated communications for sites with multiple tanks, each with one or more sensors on the tank, such as radar, spot or average temperature, capacitive probe for water detection and/or pressure sensors. Multiple protocols out of the Tank Side Monitor guarantee connectivity to nearly any of the existing industry standard tank gauging protocols. Optional connectivity of analog 4...20 mA sensors, digital I/O and analog output simplify full tank sensor integration. Use of the proven concept of the intrinsically safe HART bus for all on-tank sensors yields extremely low wiring costs, while at the same time providing maximum safety, reliability and data availability.



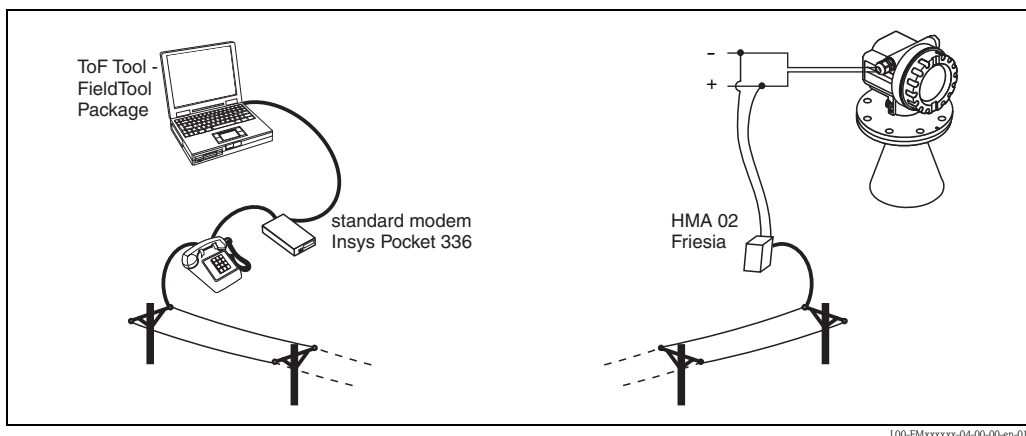
## 4.3 Connecting pressure measurement devices

In preparation.

## 4.4 Connecting flowmeters

In preparation.

## 4.5 Connecting the HART modem



L00-FMxxxxxx-04-00-00-en-014

The analog HART modem (type: HMA02) can be ordered from Friesia at the following address: "friesia@t-online.de".

## 4.6 Connecting Fieldgate FXA520

Fieldgate® not only transmits the current measured values but also informs stand-by staff by e-mail or text message if necessary.

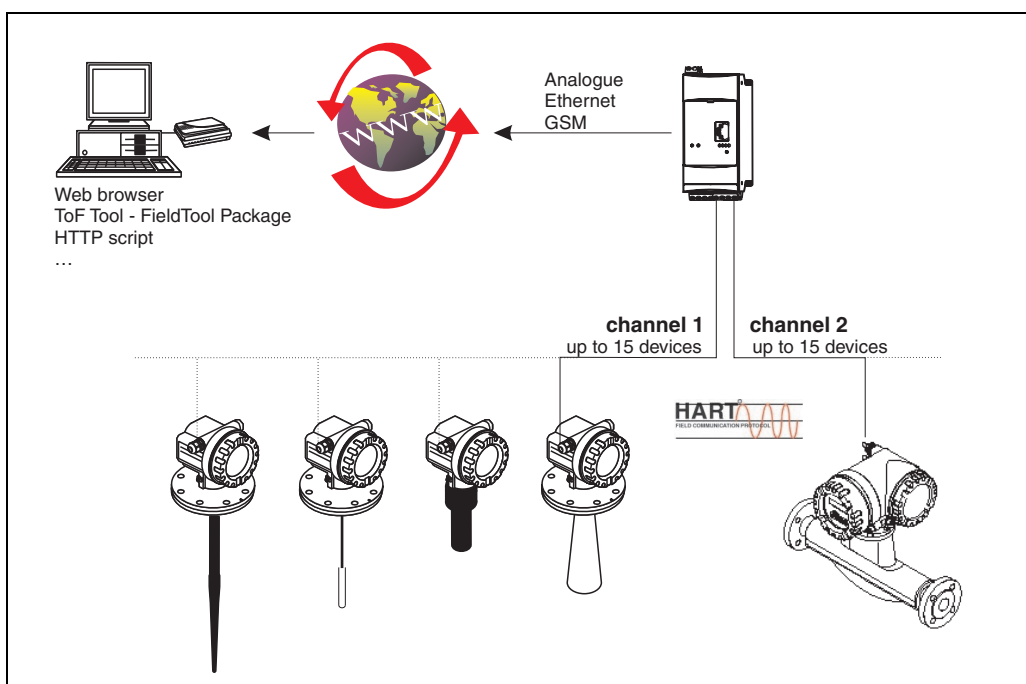
In the event of an alarm, or in the course of a routine check, service technicians can remotely diagnose and configure connected HART devices. For this, you only require the corresponding HART operating software (e.g. ToF Tool - Fieldtool® Package, ReadWin, ...) for the connected device.

Fieldgate® passes on the information in a transparent manner, thus making all the options of the operating software available remotely.

Thanks to remote diagnosis and remote configuration, some on-site service tasks can be avoided and all can at least be better planned and prepared for.

### Note!

The number of the HART addresses up to 63 possible.



L00-FXA520xx-14-00-06-en-008

## 5 Establishing a connection

### Caution!

Please carefully observe the operating overview!

Time of Flight level measurement devices	Operating via E+H service protocol	Operating via HART	Operating via PROFIBUS
HART devices	++	++	—
PROFIBUS devices	++	—	++
FOUNDATION Fieldbus devices	++	—	—

Proline flowmeters	Operating via E+H service protocol	Operating via HART	Operating via PROFIBUS
HART devices	++	++	—
PROFIBUS devices	++	—	—
FOUNDATION Fieldbus devices	++	—	—
MODBUS RS485 devices	++	—	—

Other devices with HART-protocol	Operating via E+H service protocol	Operating via HART	Operating via PROFIBUS
HART devices	—	+	—

++ = full operating possible  
 + = operating on basis of the HART device function possible  
 — = no operation possible

### Establishing a connection

1. Start the program via:  
**"Start → Programs → Endress+Hauser → ToF Tool - Fieldtool Package → Start ToF Tool - Fieldtool Package".**

#### Note!

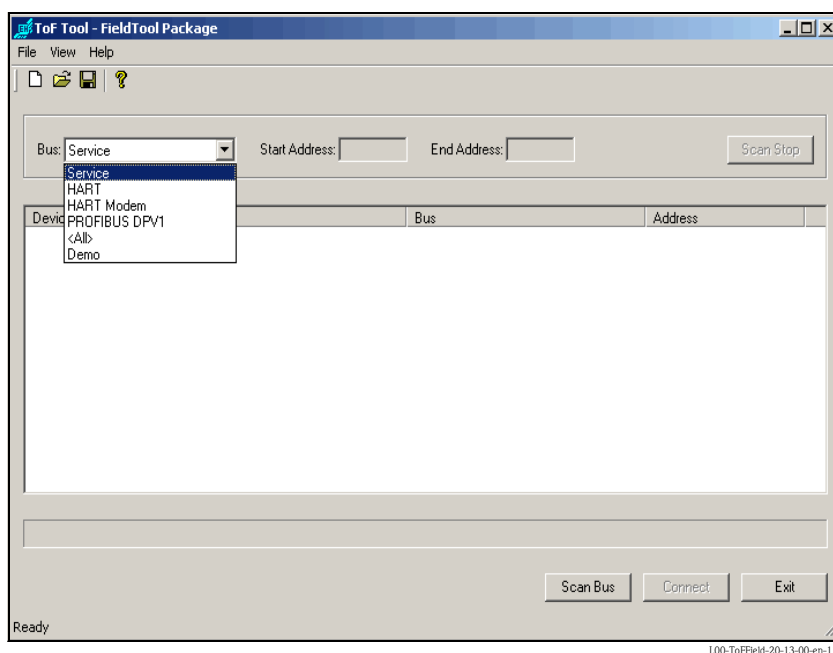
As an experienced user, you have the option of just starting the ToF Tool or Fieldtool directly and scanning through all or individual buses.

- You can start the ToF Tool directly via:  
**"Start → Programs → Endress+Hauser → ToF Tool - Fieldtool Package → Configure level and pressure devices (ToF Tool)".**
- You can start the Fieldtool directly via:  
**"Start → Programs → Endress+Hauser → ToF Tool - Fieldtool Package → Configure flow devices (Fieldtool)".**

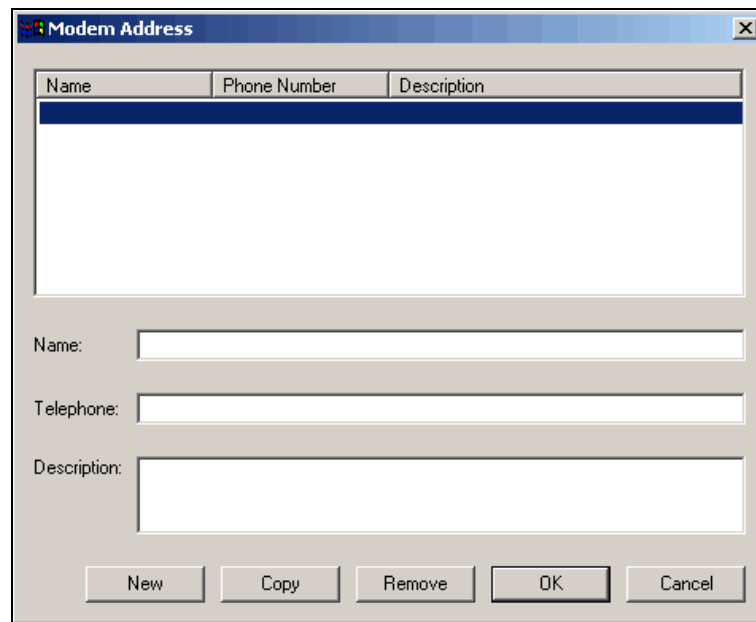
You also have the possibility of opening the appropriate device documentation directly in Acrobat Reader via:

**"Start → Programs → Endress+Hauser → ToF Tool - Fieldtool Package → Documentation Pack → ...".**

2. The window for the Connection Wizard appears:
  - Here you can scan through all or individual buses (HART, PROFIBUS DP, Service, etc.) and look for connected devices.
  - You can save the result as a ToolShell file with the extension "\*.tsh" in the EHToolShell directory and open it as required.
  - A number of demo devices are also installed for off-line demonstration.



3. Select a device from the live list. The connection is established by clicking the "Connect" button or by double-clicking in the live list:
  - The ToF Tool is automatically started if you selected a level or pressure measuring instrument.
  - The Fieldtool is automatically started if you selected a flow measuring instrument.
4. In the Connection Wizard, you also have the opportunity to alter bus settings afterwards.
5. Here you can configure a modem.



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6. Here you can configure the individual buses (HART, PROFIBUS, Service, etc.).

The 'Settings' dialog box is shown with the 'Service / HART' tab selected. It contains a table with columns 'Bus' and 'COM Port'. The 'HART' bus is selected, and its 'COM Port' is 'COM1'. Below the table, there are fields for 'COM Port' (set to 'COM1'), 'Baud Rate' (set to '1200'), 'Preambles' (set to '5'), 'Busy Retries' (set to '4'), 'Error Retries' (set to '2'), and 'Redial Time' (empty). A 'Master Type' section has two radio buttons: 'Primary Master' (unselected) and 'Secondary Master' (selected). 'OK' and 'Cancel' buttons are at the bottom right.

Bus	COM Port
HART	COM1
HART Modem	COM1
Service ToF	COM1
Service Flowtec	COM1

COM Port:

Baud Rate:

Preambles:

Busy Retries:

Error Retries:

Redial Time:

Master Type

☐ Primary Master

☒ Secondary Master

OK Cancel

L00-ToFField-20-13-00-en-125

The 'Settings' dialog box is shown with the 'Service / HART' tab selected. It contains a table with columns 'Bus' and 'Board Name'. The 'PROFIBUS DPV1' bus is selected, and its 'Board Name' is 'Node0'. Below the table, there are fields for 'Board Name' (set to 'Node0') and 'Address' (set to '1'). A 'Misc' section has fields for 'Baud Rate' (set to '93.75kBit/s'), 'Highest Address' (set to '126'), 'Max Retry' (set to '1'), and 'Gap Update' (set to '10'). A 'Timing' section has fields for 'Slot Time' (set to '4000'), 'Quiet Time' (set to '0'), 'TR Time' (set to '85000'), 'Setup Time' (set to '250'), 'Min Delay' (set to '450'), and 'Max Delay' (set to '1000'). A 'Defaults' button is at the bottom right. 'OK' and 'Cancel' buttons are at the bottom right.

Bus	Board Name
PROFIBUS DPV1	Node0

Board Name:  Address:

Misc

Baud Rate:  Highest Address:

Max Retry:  Gap Update:

Timing

Slot Time:  Quiet Time:

TR Time:  Setup Time:

Min Delay:  Max Delay:

Defaults

OK Cancel

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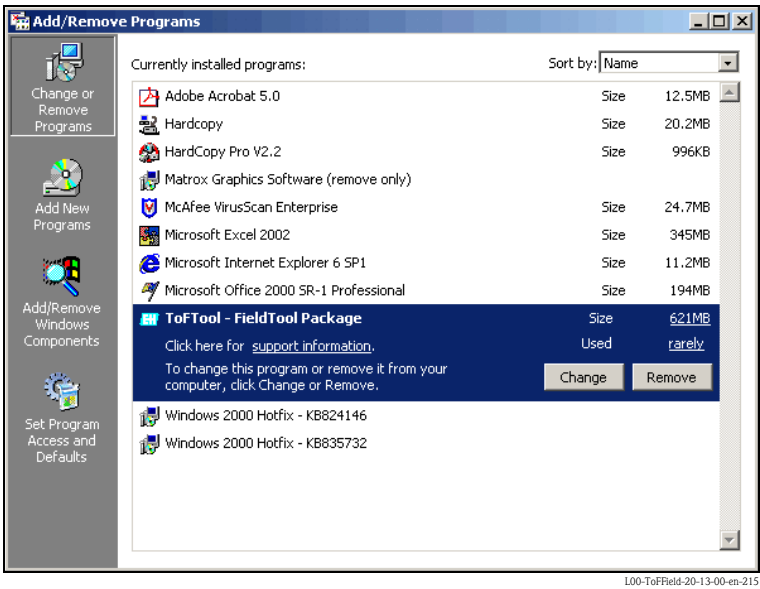
## 6 Uninstallation

### 6.1 Uninstalling the ToF Tool - Fieldtool Package

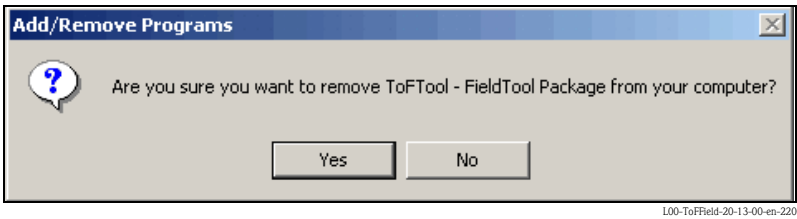
The following are sample instructions for Windows 2000

Proceed as follows to uninstall the entire ToF Tool - Fieldtool Package with all the device drivers:

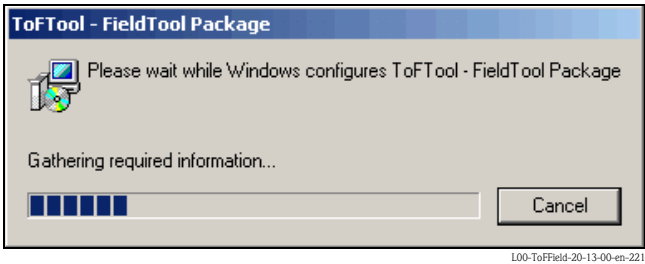
1. Prior to uninstalling, close all applications on your computer
2. Select "**Start → Settings → Control Panel → Add/Remove Programs**".
3. Select the "ToF Tool - Fieldtool Package" software from the list and click "**Remove**".



4. You are asked whether you really want to remove the ToF Tool - Fieldtool Package. Click "**Yes**".



5. The ToF Tool - Fieldtool Package is now completely removed from your system .



**Caution!**

After the uninstallation, all program components are deleted apart from personal data which were generated and saved over time (such as envelope curves, project data, etc.). If necessary, you must delete these manually from the directory.

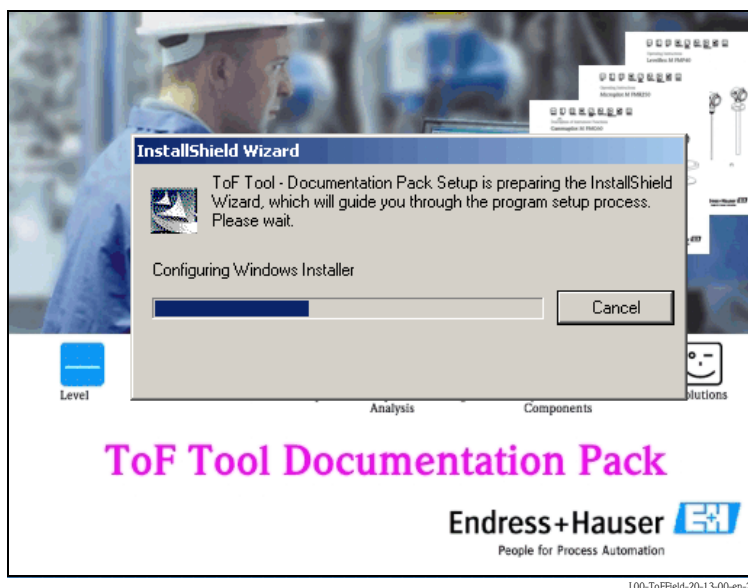


## 6.2 Uninstalling the ToF Tool Documentation Pack

The following are sample instructions for Windows 2000

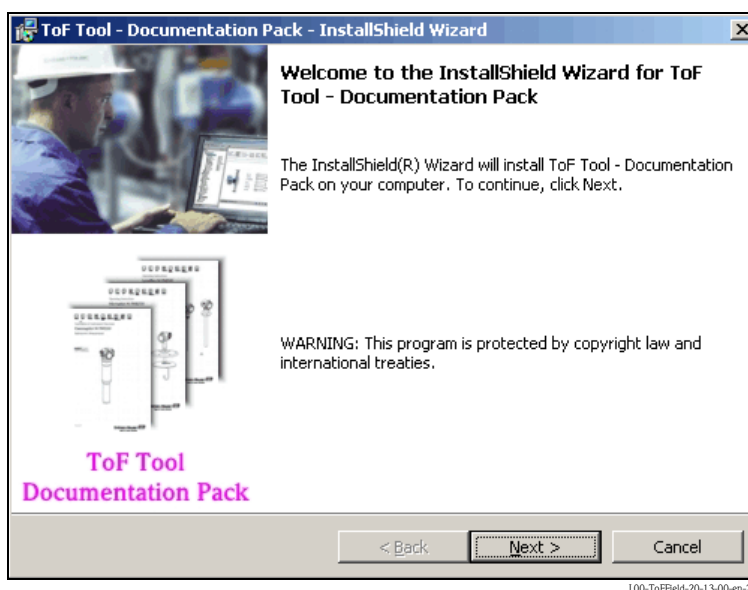
Proceed as follows to uninstall the entire ToF Tool Documentation Pack:

1. Prior to uninstalling the ToF Tool Documentation Pack, close all applications open on your computer.
2. Insert CD 2 "ToF Tool Documentation Pack" into the CD-ROM drive of your computer. The CD is started automatically. If it does not start automatically, start the "**setup.exe**" from this CD-ROM.



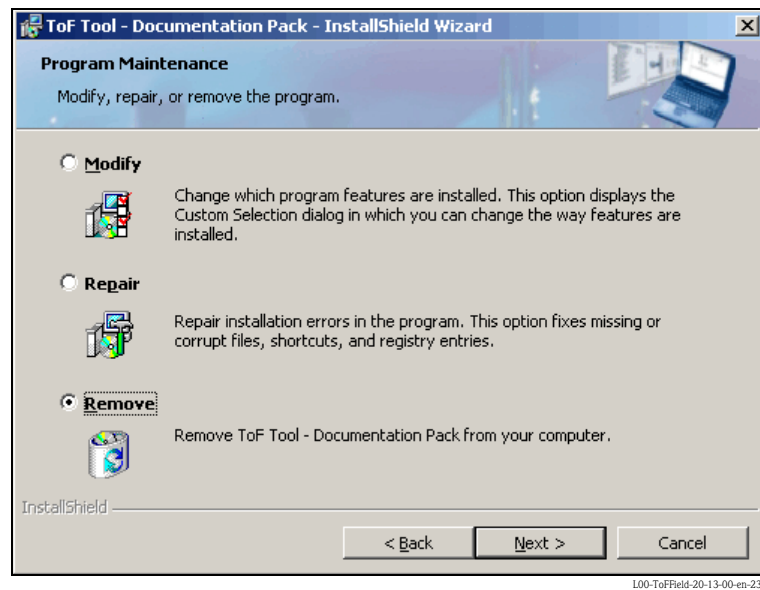
3. **ToF Tool Documentation Pack - InstallShield Wizard**

The InstallShield Wizard, which you use to perform the uninstall procedure, is started automatically. Click "**Next >**".



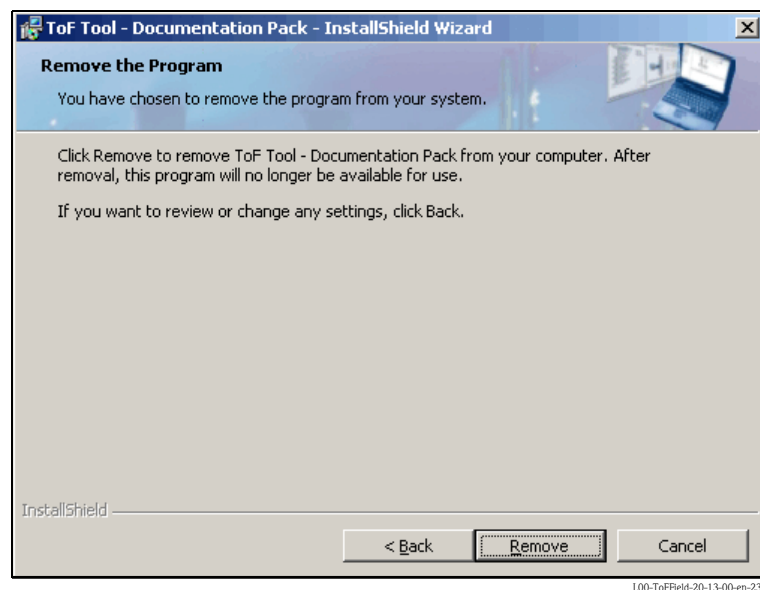
#### 4. Program administration

In the InstallShield Wizard, select the **"Remove the Program"** option and click **"Next >"**.



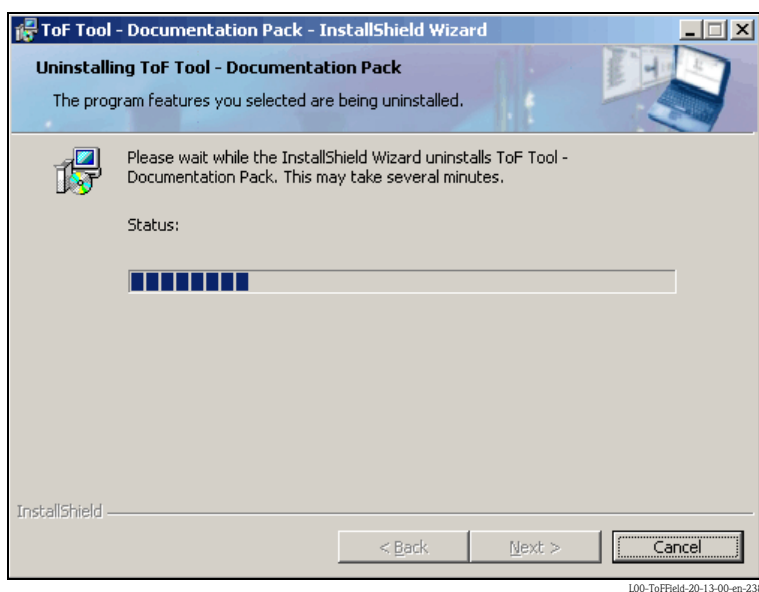
#### 5. Removing the program

You are asked whether you really want to remove the ToF Tool Documentation Pack. Click **"Remove"**.



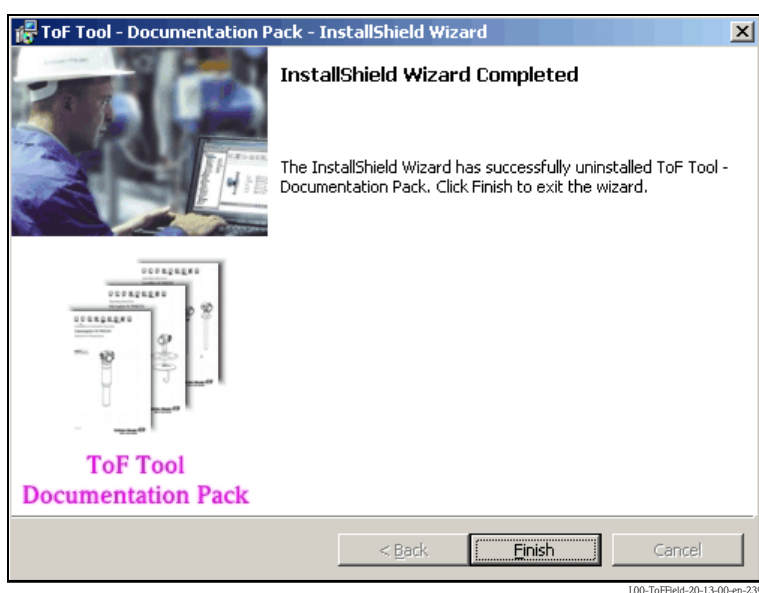
## 6. Uninstalling the ToF Tool Documentation Pack

The program components are uninstalled.



## 7. Uninstall completed

The uninstall process is completed. Click "**Finish**" to exit the InstallShield Wizard.



## 7 Compatibility List ToF Tool – Fieldtool Package

### 7.1 Level and pressure measurement devices

#### 7.1.1 Version 1.00.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
1.00.00	1.0 (33)	3.10 (382)	Electric Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.00	HART, HART_Service
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.02	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.02	PA
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
						Universal HART

## 7.1.2 Version 1.04.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
1.04.00	1.0 (33)	3.20 (383)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.00	HART, HART_Service
				<b>FTC625</b>	<b>01.01.02</b>	<b>HART, HART_Service</b>
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.02	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.02	PA
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, <b>HART_Service</b> , PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			<b>Cerabar</b>	<b>PMC7x_PMP7x</b>	<b>01.00</b>	<b>HART, HART_Service</b>
			<b>Deltabar</b>	<b>PMF7x_FMD7x</b>	<b>01.00</b>	<b>HART, HART_Service</b>
						Universal HART
Bold = new in this version.						

### 7.1.3 Version 2.00.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
2.00.00	1.30 (39)	4.0 (433)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				<b>FMP4x</b>	<b>01.03.00</b>	<b>HART, HART_Service</b>
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.02	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.02	PA
				<b>FMR2xx</b>	<b>01.03.00</b>	<b>HART, HART_Service</b>
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				<b>FMU4x</b>	<b>01.02.04</b>	<b>PA</b>
				<b>FMU4x</b>	<b>01.03.00</b>	<b>HART, HART_Service</b>
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			<b>Prothermo</b>	<b>NMT535</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
				<b>NMT538</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
				<b>NMT539 (183)</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
				<b>NMT539 (T)</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
				<b>NMT539 (TW)</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
				<b>NMT539 (W)</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				<b>PMC7x_PMP7x</b>	<b>02.00</b>	<b>HART, HART_Service</b>
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				<b>PMD7x_FMD7x</b>	<b>02.00</b>	<b>HART, HART_Service</b>
						Universal HART
Bold = new in this version.						

## 7.1.4 Version 2.01.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
2.01.00	1.30 (39)	4.0 (433)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
			<b>Gammapilot M</b>	<b>FMG60</b>	<b>01.01.00</b>	<b>HART, HART_Service</b>
			Levellflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				<b>FMP4x</b>	<b>01.02.04</b>	<b>PA</b>
				FMP4x	01.03.00	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.02	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.02	PA
				FMR2xx	01.03.00	HART, HART_Service
				<b>FMR250</b>	<b>01.01.00</b>	<b>HART, HART_Service</b>
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.04	PA
				FMU4x	01.03.00	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	HART, HART_Service
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	HART, HART_Service
						Universal HART
Bold = new in this version.						

## 7.1.5 Version 2.02.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
2.02.00	1.30 (39)	4.0 (433)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
			Gammapiot M	FMG60	01.01.00	HART, HART_Service
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.04	PA
				FMP4x	01.03.00	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.02	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.02	PA
				FMR2xx	01.03.00	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.04	PA
				FMU4x	01.03.00	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	HART, HART_Service
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	HART, HART_Service
						Universal HART
Bold = new in this version.						



## 7.1.6 Version 2.03.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
2.03.00	1.30 (43)	4.10 (445)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
			Gammapiot M	FMG60	01.01.00	HART, HART_Service
			Levellflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.00	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	<b>01.01.xx</b>	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	<b>01.02.xx</b>	PA
				FMR2xx	01.03.00	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	<b>01.02.xx</b>	PA
				FMU4x	01.03.00	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	HART, HART_Service
				<b>PMC7x_PMP7x</b>	<b>03.00.00</b>	<b>PA, PA_Service</b>
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	HART, HART_Service
				<b>PMD7x_FMD7x</b>	<b>03.00.00</b>	<b>PA, PA_Service</b>
						Universal HART

**Bold = new in this version.**

## 7.1.7 Version 2.04.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
2.04.00	1.30 (43)	4.10 (445)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
			Gammapiot M	FMG60	01.01.00	HART, HART_Service
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	<b>01.03.xx</b>	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	<b>01.03.xx</b>	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	<b>01.02.xx</b>	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	<b>01.03.xx</b>	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART

**Bold = new in this version.**

## 7.1.8 Version 3.00.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.00.00	1.30 (43)	4.20 (468)	Electric Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				<b>FTC625</b>	<b>01.01.03</b>	<b>HART, HART_Service</b>
			Gammapilot M	FMG60	01.01.00	HART, HART_Service
				<b>FMG60</b>	<b>01.00.00</b>	<b>FF_Service</b>
			<b>Liquicap</b>	<b>FEI50</b>	<b>01.00.00</b>	<b>HART</b>
			Levellflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
			Bold = new in this version.			

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.00.00	1.30 (43)	4.20 (468)	Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				<b>PMC7x_PMP7x</b>	<b>02.00</b>	<b>FF_Service</b>
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				<b>PMD7x_FMD7x</b>	<b>02.00</b>	<b>FF_Service</b>
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
Bold = new in this version.						

## 7.1.9 Version 3.01.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.01.00	1.30 (45)	4.20 (470)	Electric Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapiot M	FMG60	01.01.00	HART, HART_Service
				FMG60	01.00.00	FF_Service
			Liquicap	FEI50	01.00.00	HART
			Levellflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				<b>NRF590</b>	<b>02.02.00</b>	<b>HART, HART_Service</b>

**Bold = new in this version.**

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.01.00	1.30 (45)	4.20 (470)	Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
Bold = new in this version.						

### 7.1.10 Version 3.02.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.02.00	1.30 (45)	4.20 (470)	Electronic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapilot M	FMG60	01.01.00	HART, HART_Service
				FMG60	01.00.00	FF_Service
				<b>FMG60</b>	<b>01.04.00</b>	<b>PA, PA_Service</b>
			Liquicap	FEI50	01.00.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
				<b>FMR250</b>	<b>01.04.00</b>	<b>PA, PA_Service</b>
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
Bold = new in this version.						

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.02.00	1.30 (45)	4.20 (470)	Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
			Bold = new in this version.			



### 7.1.11 Version 3.03.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.03.00	1.30 (45)	4.50 (490)	Electric Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapiot M	FMG60	01.01.00	HART, HART_Service
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	PA, PA_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
			<b>Prosonic S</b>	<b>FMU90</b>	<b>01.00.00</b>	<b>HART, HART_Service</b>
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service

**Bold = new in this version.**

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.03.00	1.30 (45)	4.50 (490)	Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
Bold = new in this version.						

## 7.1.12 Version 3.04.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.04.00	1.30 (45)	4.50 (490)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapiilot M	FMG60	01.01.00	HART, HART_Service
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
				<b>FEI50</b>	<b>01.02.00</b>	<b>HART</b>
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
				<b>FMP4x</b>	<b>01.04.00</b>	<b>HART, HART_Service, PA, PA_Service, FF_Service</b>
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				<b>FMR2xx</b>	<b>01.04.00</b>	<b>HART, HART_Service, PA, PA_Service, FF_Service</b>
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	PA, PA_Service
				<b>FMR250</b>	<b>01.04.00</b>	<b>HART, HART_Service</b>
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
			Prosonic S	FMU90	01.00.00	HART, HART_Service
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			<b>Bold = new in this version.</b>			

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.04.00	1.30 (45)	4.50 (490)	Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
			Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
Bold = new in this version.						

### 7.1.13 Version 3.05.00

**Note!**

Device update for flowmeters only!

## 7.1.14 Version 3.06.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.06.00	1.30 (45)	4.50 (492)	Electric Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapiilot M	FMG60	01.01.00	HART, HART_Service
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
				FEI50	01.02.00	HART
				FEI50	01.03.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
				FMP4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR2xx	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	PA, PA_Service
				FMR250	01.04.00	HART, HART_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
				<b>FMU4x</b>	<b>01.04.00</b>	<b>HART, HART_Service, PA, PA_Service, FF_Service</b>
			<b>Prosonic S</b>	<b>FMU90</b>	<b>01.00.01</b>	<b>HART, HART_Service</b>
				<b>FMU90</b>	<b>01.00.00</b>	<b>PROFIBUS DP</b>
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP

**Bold = new in this version.**

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
3.06.00	1.30 (45)	4.50 (492)	Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
				<b>NRF590</b>	<b>02.08.00</b>	<b>HART, HART_Service</b>
			Cerabar	PMC7x_PMP7x	02.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
			Deltabar	PMD7x_FMD7x	02.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
						Universal HART
<b>Bold = new in this version.</b>						

## 7.1.15 Version 4.00.00

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.00.00	1.30 (45)	4.50 (497)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
			Gammapiilot M	FMG60	01.01.00	HART, HART_Service
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
				FEI50	01.02.00	HART
				FEI50	01.03.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
				FMP4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR2xx	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	HART, HART_Service, PA, PA_Service
				<b>FMR240 FMR244 FMR245 FMR250</b>	<b>01.05.00</b>	<b>HART, HART_Service, PA, PA_Service, FF_Service</b>
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
				FMU4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Prosonic S	FMU90	01.00.01	HART, HART_Service
				FMU90	01.00.00	PROFIBUS DP
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP

**Bold = new in this version.**

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.00.00	1.30 (45)	4.50 (497)	Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
				NRF590	02.08.00	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
				<b>PMC7x_PMP7x</b>	<b>02.10</b>	<b>HART, HART_Service</b>
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
				<b>PMD7x_FMD7x</b>	<b>02.10</b>	<b>HART, HART_Service</b>
			<b>Deltapilot S</b>	<b>FMB70</b>	<b>02.10</b>	<b>HART, HART_Service</b>
						Universal HART
<b>Bold = new in this version.</b>						



### 7.1.16 Version 4.01.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.01.00	1.30 (45)	4.50 (497)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
				<b>FTC625</b>	<b>01.04.01</b>	<b>HART, HART_Service</b>
			Gammapilot M	FMG60	01.01.00	HART, HART_Service
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
				FEI50	01.02.00	HART
				FEI50	01.03.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
				FMP4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR2xx	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	HART, HART_Service, PA, PA_Service
				FMR240 FMR244 FMR245 FMR250	01.05.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
				<b>FMR54x</b>	<b>01.01.00</b>	<b>HART, HART_Service</b>
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
				FMU4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Prosonic S	FMU90	01.00.01	HART, HART_Service
				FMU90	01.00.00	PROFIBUS DP
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP
			Bold = new in this version.			

ToF Tool – Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.01.00	1.30 (45)	4.50 (497)	Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
				NRF590	02.08.00	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
				PMC7x_PMP7x	02.10	HART, HART_Service
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
				PMD7x_FMD7x	02.10	HART, HART_Service
			Deltapilot S	FMB70	02.10	HART, HART_Service
						Universal HART
Bold = new in this version.						

### 7.1.17 Version 4.02.00

**Note!**

Device update for flowmeters only!

### 7.1.18 Version 4.03.00

**Note!**

Device update for flowmeters only!

### 7.1.19 Version 4.04.00

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.04.00	1.30 (45)	4.50 (503)	Electricnic Insert	FEC14	01.01.00	PA
			Nivotester	FTC625	01.01.02	HART, HART_Service
				FTC625	01.01.03	HART, HART_Service
				FTC625	01.04.01	HART, HART_Service
			Gammapilot M	<b>FMG60</b>	<b>01.02.00</b>	<b>HART, HART_Service</b>
				FMR60	01.00.00	FF_Service
				FMG60	01.04.00	PA, PA_Service
			Liquicap	FEI50	01.00.00	HART
				FEI50	01.02.00	HART
				FEI50	01.03.00	HART
			Levelflex M	FMP4x	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMP4x	01.02.02	PA
				FMP4x	01.02.xx	PA
				FMP4x	01.03.xx	HART, HART_Service
				FMP4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot M	FMR2xx	01.01.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.01.xx	PA
				FMR2xx	01.02.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR2xx	01.02.xx	PA
				FMR2xx	01.03.xx	HART, HART_Service
				FMR2xx	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
				FMR250	01.01.00	HART, HART_Service
				FMR250	01.04.00	HART, HART_Service, PA, PA_Service
				FMR240, FMR244 FMR245, FMR250	01.05.00	HART, HART_Service, PA, PA_Service, FF_Service
			Micropilot S	FMR53x	01.01.00	HART, HART_Service
				FMR53x	01.02.xx	HART, HART_Service
				FMR54x	01.01.00	HART, HART_Service
			Prosonic M	FMU4x	01.02.00	HART, PA, PA_Service, FF_Service
				FMU4x	01.02.02	PA
				FMU4x	01.02.xx	PA
				FMU4x	01.03.xx	HART, HART_Service
				FMU4x	01.04.00	HART, HART_Service, PA, PA_Service, FF_Service
			<b>Prosonic S</b>	<b>FMU90</b>	<b>02.00.00</b>	<b>HART, HART_Service</b>
				<b>FMU90</b>	<b>02.00.00</b>	<b>PROFIBUS DP, DP_Service</b>
				<b>FMU95</b>	<b>01.00.00</b>	<b>PROFIBUS DP, DP_Service</b>
			Prosonic	FMU860	01.03.00	PROFIBUS DP
				FMU861	01.03.00	PROFIBUS DP
				FMU862	01.03.00	PROFIBUS DP
				FMU867	01.03.00	PROFIBUS DP

**Bold = new in this version.**

ToF Tool - Fieldtool Package	E+H Tool Shell	ToF Tool	Devices		Software	Communication
4.04.00	1.30 (45)	4.50 (503)	Prothermo	NMT535	01.00.00	HART, HART_Service
				NMT538	01.00.00	HART, HART_Service
				NMT539 (183)	01.00.00	HART, HART_Service
				NMT539 (T)	01.00.00	HART, HART_Service
				NMT539 (TW)	01.00.00	HART, HART_Service
				NMT539 (W)	01.00.00	HART, HART_Service
			Tank Side Monitor	NRF590	01.01.00	HART, HART_Service
				NRF590	01.04.03	HART, HART_Service
				NRF590	01.04.06	HART, HART_Service
				NRF590	02.02.00	HART, HART_Service
				NRF590	02.08.00	HART, HART_Service
			Cerabar	PMC7x_PMP7x	01.00	HART, HART_Service
				PMC7x_PMP7x	02.00	FF_Service
				PMC7x_PMP7x	03.00.00	PA, PA_Service
				PMC7x_PMP7x	02.10	HART, HART_Service
			Deltabar	PMD7x_FMD7x	01.00	HART, HART_Service
				PMD7x_FMD7x	02.00	FF_Service
				PMD7x_FMD7x	03.00.00	PA, PA_Service
				PMD7x_FMD7x	02.10	HART, HART_Service
			Deltapilot S	FMB70	02.10	HART, HART_Service
						Universal HART
Bold = new in this version.						

### 7.1.20 Version 4.05.00

**Note!**

Device update for flowmeters only!

### 7.1.21 Version 4.06.00

**Note!**

No device updates!

Bugfix concerning the creation of the pdf documentation for Prosonic S FMU90.

## **7.2      Flowmeter**

In preparation.

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