P2A software for testo 6920

Instruction manual en

Specifications

Functions and use

The testo P2A Software (0554 6020) is parameterizing, adjusting and analyzing software for Testo transmitters. It is not supplied with the testo 6920.

System requirements

Operating system

- Windows 2000 SP4, Windows XP or Windows Vista, Windows® 7, Windows® 8, Windows® 10

Computer

- Pentium processor of at least 400 MHz or equivalent
- 128 MB RAM
- Graphics resolution of at least 1,024 x 768
- Unused hard drive capacity of at least 15 MB
- CD-ROM drive
- USB interface or corresponding adapter

First steps

Installing the software / driver

Administrator rights are required for the installation of the testo P2A Software.

➢ Installing the P2A Software:

1. Insert the program CD into the CD-ROM drive of the computer.
   - Installation wizard starts automatically
   > If the installation wizard does not start automatically:

   Open CD drive in the Windows Explorer | start **Setup.exe** (double-click on left mouse button).
2. Follow the directions of the installation wizard.
3. To stop the software installation: Click on [**Finish**].
   - The software was installed successfully on the computer.

➢ Installing the USB drivers:

The USB driver CD is supplied with the P2A Software.

Before installing the USB drivers, please read the separate documentation enclosed with the USB driver CD.
The installation of the USB driver is the prerequisite for the faultless use of the P2A software.

Starting the software

Windows program menue

Windows 2000® SP4, Windows® XP oder Windows® Vista

> Click on [Start] | Programs | Testo | P2A software (double-click on left mouse button).

Windows® 7

> Click on [Start] | All programs | Testo | P2A software (double-click on left mouse button).

Windows® 8

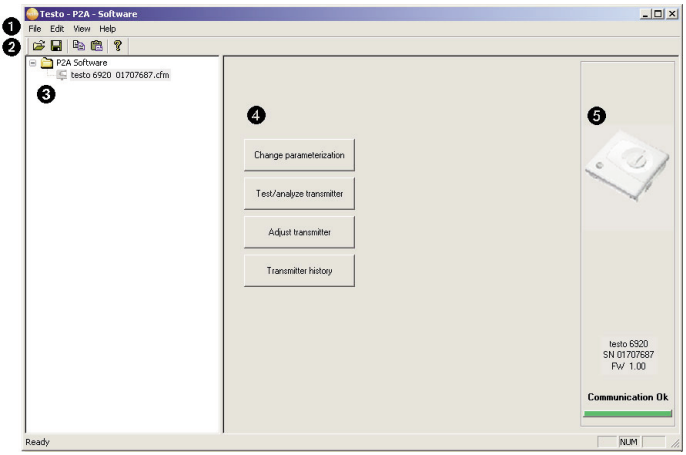
> [Start] | right mouse button | Search | Enter the application name in the search field | click on P2A software (double-click on left mouse button).

Windows® 10

> Click on [Start] | Alle apps | Testo | P2A software (double-click on left mouse button).

Product description

User interface



❶ Menu bar.

❷ Toolbar.

❸ File list: List of all instrument/parameter files.

File symbols

- : Instrument file, connection to the unit has not been established.
- : Instrument file, connection to the unit has been established.
- : Parameter file.

File identifications

- Instrument files: “[Type] [serial number].cfm”; file identifications cannot be changed.
  Instrument files contain all the data relating to a particular instrument. These are the parameter data and represent the parameterization and adjustment history of the instrument.
- Parameter files: “[Type] [serial number] [date] [time].cfp”; file identifications can be changed.
  Parameter files only contain parameter data. These can be copied to another instrument or parameter file for the same type of instrument so that several instruments have the same parameter settings.

❹ List of functions.

❺ Instrument information:

Information displayed

- Instrument files: Type, serial number, firmware version and connection status of the instrument.
- Parameter file: Type, serial number and firmware version of instrument with which the parameter file was created.
- Connection status (instrument files only): “green” connection is active, “red” connection is inactive.

Using the product

➢ Establishing a connection with the device:

Several instruments can be connected to the PC and administered via the P2A software, but only one connection can ever be active at any one time.

Non-wired instruments can also be connected to the P2A Software for parameterization/adjustment. The supply to the instruments is then effected via the USB interface (analog outputs not functional).

1 Connect the USB/mini-DIN adapter to the external interface (mini-DIN) of the instrument.

2 Connect the USB connector of the adapter to the PC.
- The instrument file for the instrument connected appears in the instrument file/parameter file list.

➢ Selecting the instrument/parameter file, activating a connection with the device:

Click on the requisite instrument/parameter file.
- The selected file is highlighted in colour.
- For instrument files only: if a connection with the instrument has been established, this is automatically activated.

➢ Changing an instrument/parameter file:

✓ The required instrument/parameter file is selected.

1 Click on Change parameterization button.

2 Enter parameters in the corresponding fields.

3 Click on Apply to confirm entries.

4 To leave the parameterization screen, click on OK.

➢ Saving the parameters in a parameter file:

The parameter data for the selected instrument/parameter file can be saved.

ℹ Only parameter data stored in the standard file can be loaded into an instrument!

✓ The required instrument/parameter file is selected.

1 In the menu bar, click on File > Save as.

2 Select the storage location and enter the file name.

3 Click on Save to confirm entries.

➢ Opening a parameter file:

All parameter files stored in the standard directory path are automatically displayed in the file list when the software is started. Parameter files stored in other directories can also be opened.

ℹ Only parameter data stored in the standard file can be loaded into an instrument!

1 In the menu bar, click on File > Open.

2 Select the storage location and click on the requisite parameter file.

3 Click on Open to confirm entries.

➢ Copying the parameter data:

The parameter data for an instrument/parameter file can be transferred to another instrument/parameter file for the same type of instrument. History data for instrument files are not transferred.

1 Select file from which the parameter data are to be copied.

2 In the menu bar, click on Edit > Copy.

3 Select the file which is to be modified.

4 In the menu bar, click on Edit > Paste.

➢ Analyzing/testing the instrument:

✓ The required instrument file is selected.

1 Click on Test/analyze transmitter button.

2 Perform tasks:

Options

- Carry out factory reset: Reset the parameter unit, scaling limits and adjustment to the factory settings (Values instrument-specific, see specification plate).
- Transmitter tests (voltage supply via terminals required): Current reading displayed and analog output test carried out for each channel; see below for procedure.
- Min./max. values: Change to display of minimum/maximum values.

Procedure: testing analog output (voltage supply via terminals required)

1 Choose channel.

2 Connect reference multimeter (min. 6.5 digits resolution) to the analog output terminals of the transmitter.

3 Set the default value in the P2A Software and click on Activate.

4 Compare value displayed with reference value of multimeter.

3 To leave the analyzing/test screen, click on OK.

➢ Carrying out/resetting a 1-point adjustment (offset):

A testo 950 with precision temperature probe is recommended as the reference measuring instrument.

1 Click on **Adjust transmitter** button.

2 Expose the reference measuring instrument and the instrument to be adjusted to the same constant conditions and wait for equalization period to lapse.

3 Enter reference value and perform adjustment by clicking on **Carry out 1-point adjustment**.

To reset an offset value, click on **Set Offset to zero**.

4 Click on **OK** to confirm entries.

➢ Carrying out an analog adjustment:

ℹ Voltage supply via terminals required.

1 Click on **Adjust transmitter** button.

2 Choose channel.

3 Connect reference multimeter (min. 6.5 digits resolution) to the analog output terminals of the transmitter.

4 Click on **Start Wizard...** button and follow the instructions issued by the P2A Software.

5 Click on **OK** to confirm entries.

➢ Viewing a transmitter history:

The current history data are always displayed as stored in the instrument file. A distinction is made between parameterization and adjustment histories.

ℹ Dates and times refer to the PC time when the P2A Software was being used.
History data are only stored in the instrument file (PC), not in the testo 6920.

1 Click on **Transmitter history** button.

2 To move between the views, click on **Parameterization history** or **Adjustment history**.

To print the history data, click on **Print**.

➢ Deleting parameters from an instrument/parameter file:

The parameter data for the selected instrument/parameter file can be deleted.

✓ The required instrument/parameter file is selected.

1 Right-click on the instrument/parameter file.

2 Select Delete.

3 Click on Yes to confirm.

➢ Creating a new folder:

✓ The folder to which the new folder is to be added is selected.

1 In the menu bar, click on File > Add Folder.

2 Give the new folder a name.

Tips and assistance

Questions and answers

Question	Possible causes/solutions
Connection to instrument cannot be established.	· Check connecting cable and plug contacts. · USB driver not/incorrectly installed: Re-install.
Adjustment is to be reversed.	· Carry out factory reset: Click on Test/analyze transmitter > Click on Carry out factory reset.

If we could not answer your question, please contact your dealer or Testo Customer Service. For contact data, see back of this document or web page www.testo.com/service-contact.

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