Adjustment software for Saveris components testo 150

Instruction manual

Contents

1 About this document

> Please read this documentation through carefully and familiarize yourself with the product before using it. Pay particular attention to the safety instructions and warning notices in order to prevent injuries and damage to the product.

> Keep this document to hand so that you can refer to it when necessary.

> Hand this documentation on to any subsequent users of the product.

Knowledge of Windows® operating systems is required to work with the software.

The description in this instruction manual relates to Windows® 10.

Symbols and writing standards

Display	Explanation
	Note: basic or further information
1 2 …	Action: several steps, the sequence must be followed
>	Action: one step or optional step.
-	Result of an action
✓	Requirement
Menu	Elements of the program interface.
[OK]	Buttons of the program interface.
... | ...	Functions/paths within a menu.

2 Specifications

2.1 Use

The Saveris adjustment software can be used to adjust the radio/Ethernet loggers and digital probes connected to the Saveris Base.

The temperature and relative humidity of each individual logger/probe can be calibrated and then adjusted using the Saveris adjustment software and a reference measuring instrument.

Following successful adjustment, the current adjustment data is stored in the logger/probe.

2.2 Scope of delivery

The following components are included in the delivery:

- CD with testo Saveris adjustment software for V2 and V3 including instruction manual.
- USB cable for connecting the Ethernet and radio loggers to the computer.

2.3 System requirements

Computer

For smooth work with the software, the following requirements should be met:

- Pentium processor of at least 1.2GHz or equivalent
- 256MB RAM
- 50MB unused hard drive capacity
- CD-ROM drive
- USB 2.0 interface

Operating system

The adjustment software for Saveris components testo 150 will work on the following 32-bit and 64-bit operating systems:

- Windows 10®

Administrator rights are required for installation.

3 Installing the software

1 Insert the program CD into the CD-ROM drive of the computer.

2 Open the CD drive in Windows Explorer | run **testo Adjustment Software t150 Setup.exe** as administrator (right mouse button)

3 Follow the installation wizard's instructions.

4 To complete the software installation: Click on **[Finish]**.

- The software was installed successfully on the computer.

4 Requirements for adjustment of the data loggers/probes

✓ A calibration that has already been carried out is a prerequisite for successful adjustment. If no calibration certificate is available, go to the section **Product description** – menu item **[Measurement]**.

✓ Batteries are inserted in the testo 150 data logger.

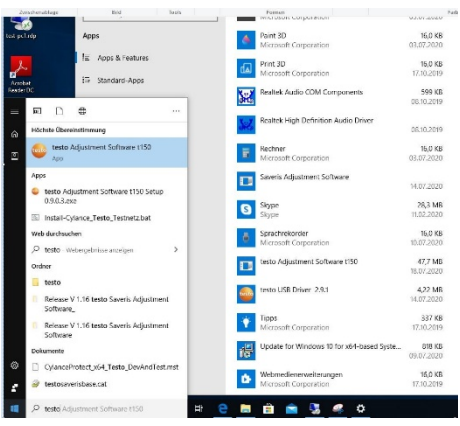
✓ The required probes are connected to the testo 150 data logger.

1 Connect the data logger to the computer via the USB port.

The user interface of the adjustment software is exclusively in English.

5 Launching the software

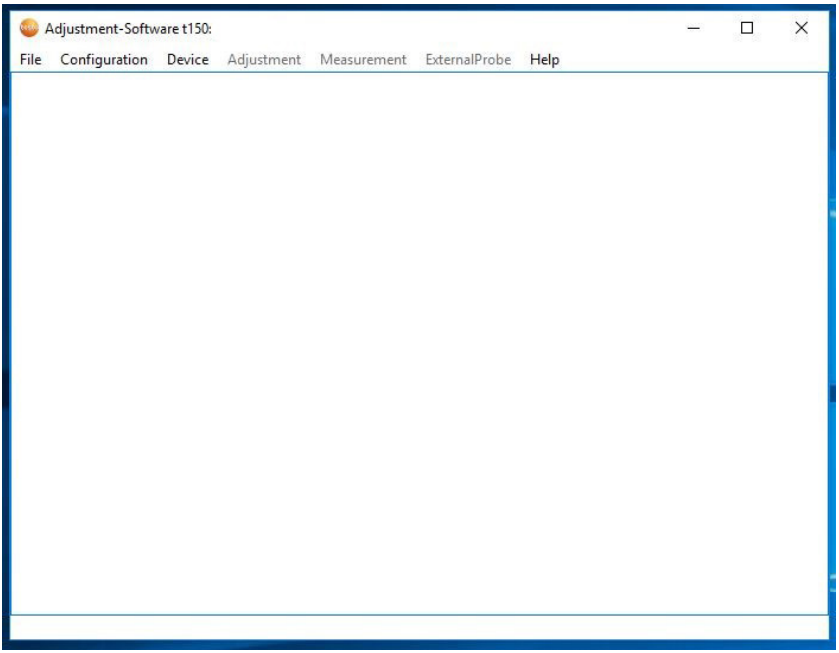
1 Click on **[Windows]** | **Testo** | **Saveris Adjustment Software t150**.



6 Product description

6.1 Start screen

Depending on the selected menu item, the view of the desktop changes.



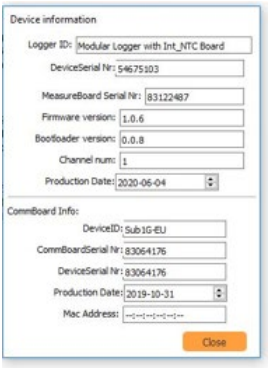
File	Under this menu item, you can exit the program.
Configuration	Under this menu item, you can • search for connected devices (**Scan**) • select the printer for the print function (**Printer**) • set the temperature unit (**Temperature Unit**).
Device	Under this menu item, you can carry out work on the connected logger.

Adjustment	Under this menu item, you can • carry out adjustment for the connected logger • print out its production protocol • change the access password.
Measurement	Under this menu item, you can determine individual values or series of measurements using the connected logger and the probes plugged into it.
ExternalProbe	Under this menu item, you can adjust digital probes connected to the logger.
Help	This menu item contains information about the adjustment software.

7 Using the product

1 Select **Device** | **Identification** to gain access to the data logger/probe.

2 **Device** | **Device Information** provides further information about the data logger/probe.



In order to carry out the calibration/adjustment in °F, this unit can be changed in the software from °C to °F for the duration of the activity. The change then applies to all channels and components.

7.1 Preparing an adjustment

We recommend disabling or deleting the latest adjustment data stored in the component or setting it to zero and only then starting the measurement for calibration. Implement these settings before calibration in the Adjustment/Adjustment menu item. The values determined with the subsequent calibration then relate to the production adjustment.

The production protocol supplied ex works can be called up and printed out under the **[Adjustment]** | **Print test protocol** tab.

To implement an adjustment, you need a calibration certificate or a calibration that has already been carried out. If this is not available, please go to the section **Carrying out a calibration**.

7.1.1 Assigning a password

Assign a probe-specific password to protect the adjustment data from any unauthorized access.

Please note the following information on assigning a password:

- The password is used to protect the adjustment data in the logger from any unauthorized changes. The password is stored in the logger.
- After assigning a password, the adjustment software can only be opened if the password of the connected logger is entered.
- The password can contain a maximum 16 Latin characters.

1 Click on the **[Adjustment]** tab.

2 Select **[Change Password]**.

> If no password has been assigned yet: Initially log in with “**testo**” in order to set up a new password

3 Click on **[OK]**.

\- New password is accepted.

7.2 Carrying out calibration

Determine the correction data for the adjustment from the data generated during the calibration.

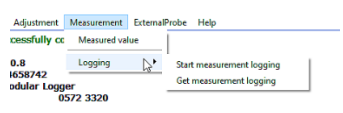
The maximum storage period for calibration is 24 hours.

You can only start an online measurement after entering a file name for the measurement if the file name including the suffix is specified: **<filename>.csv**.

With online logging and offline logging, the software offers two ways to check the logger readings. Both options can be carried out without WLAN network connection. Configuration parameters such as WLAN access, encryption, measuring cycle, alarm settings, etc. are retained.

7.2.1 Calling up the calibration function

1 Call up the calibration function: **Measurement** | **Logging** | **Start measurement logging**

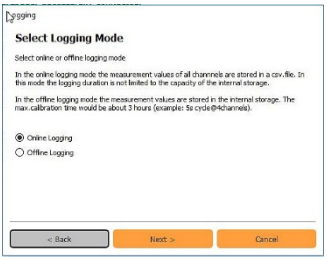


- The **Select Logging Mode** window opens.

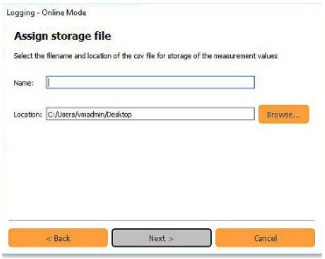
7.2.1.1 Online Logging

The logger is permanently connected to the PC and the service software via the service interface. The readings from all channels are continuously stored in a csv file.
Advantage: The logging duration is not limited to the logger's memory capacity.

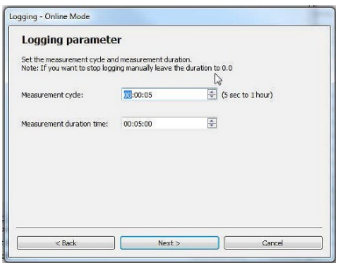
1 Select **Online Logging** and click on **[Next]**.



2 Name the file for storing the readings (**Name**) and specify the storage location (**Location**). Click on **[Next]**.



3 Specify the measurement cycle (**Measurement cycle**) and the required measurement duration (**Measurement duration time**). Click on **[Next]**.



4 Start logging: Click on **[Start logging]**.

> You can also stop the process before the defined measuring time has elapsed by clicking on **[Stop logging]**.

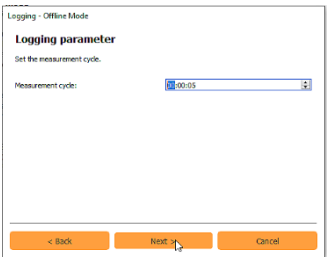
5 Finish online logging: Click on **[Finish]**.

7.2.1.2 Offline Logging

The logger works independently without a cable connection. The logging duration is limited by the memory capacity of the internal storage. The memory works as a circular buffer.

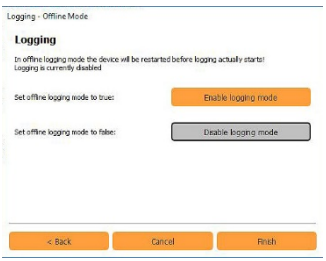
1 Select **Offline Logging** and click on **[Next]**.

2 Enter the measurement cycle (**Measurement cycle**). Click on **[Next]**.



3 Start logging: Click on **[Enable logging mode]**.

You can stop the process before the defined measuring time has elapsed by clicking on **[Cancel]**.



4 Confirm the notification "**Offline logging mode is started now**" by clicking on **[OK]**.

5 Follow the steps in the information window. Confirm by clicking on **[OK]**.

Exit active offline logging mode. Click on **[Disable logging mode]**.

7.2.1.3 Exiting offline logging / reading out logging data

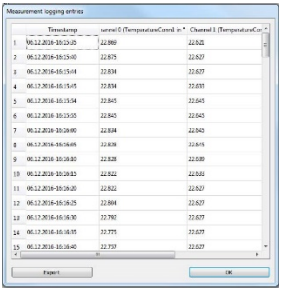
1 Connect the logger to the PC via a USB cable.

2 Select the **Device** | **Identification** tab.

3 Data readout: **Measurement** | **Logging** | **Get measurement logging**

- Logger data is displayed.

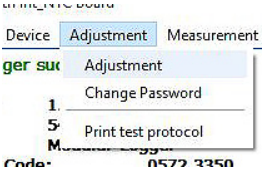
4 Archive data: Click on **[Export]** to store the data as a .csv file at a defined storage location.



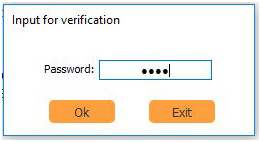
5 Confirm by clicking on **[OK]**.

7.3 Carrying out an adjustment

1 Click on the **Adjustment** tab and select the **Adjustment** menu.



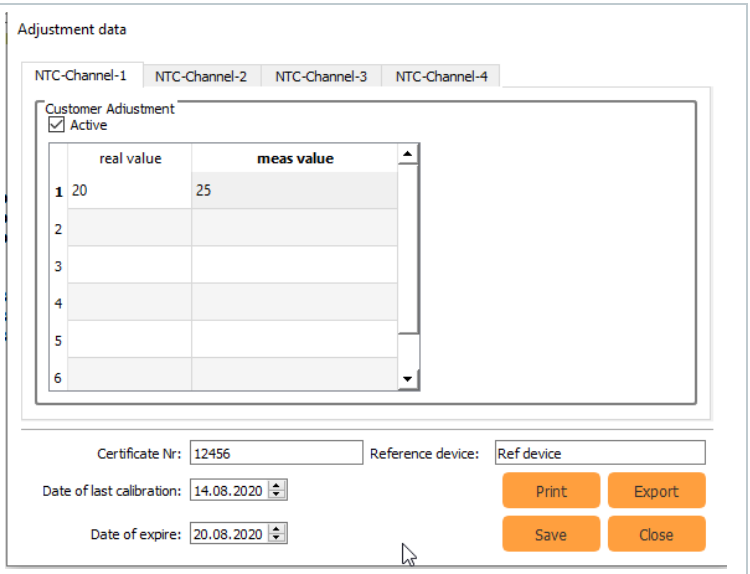
2 Enter password for the connected data logger/probe. If no individual password for the data logger has been assigned yet: Enter **testo**.



3 Confirm the input with **[OK]**.

- The **Adjustment data** window is displayed.

Overview of functions in the Adjustment data section



Customer Adjustment	Adjustment data entered is stored in the **Customer Adjustment** storage area and can be deleted via a factory reset on the logger.
Real value	The value determined with the reference device is entered in the **real value** section. Depending on the logger/probe, this must be done several times. Up to 6 adjustment values per channel are possible.
Meas value	The value from the calibration is entered in the **meas value** section.
Certificate No.:	If the adjustment is based on a calibration certificate, the reference number of the calibration certificate is entered in the input field.
Reference device	The name of the reference device used is entered in the input field.
Date of last calibration	Stored date of the last calibration
Date of expire	The date of the next scheduled calibration is entered here. This date is used by the Saveris software as the basis for the calibration alert.

Print	You can print out an overview of the entered data by clicking on **print**. Depending on the configured printer, you can do this on paper or as a pdf for further documentation.
[Export]	Creates a file, which can be imported into the Saveris software via the client and is then available there.
[Save]	Saves the adjustment data in the logger/probe.
[Close]	Closes the **Adjustment data** window.

4 To terminate the connection to the instrument: click on **exit device**.

5 Exit the testo Saveris adjustment software: Click on **Exit**.

If the window is simply closed, it will take significantly longer to open next time.

8 Tips and assistance

If you have any questions, please contact your dealer or Testo Customer Service. The contact details can be found on the back of this document or on the Internet at **www.testo.com/service-contact.**.

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