HEIDENHAIN

GAGE-CHEK 2000 Demo

User's Manual

Evaluation Unit

English (en)
06/2021

Contents

1

Fundamentals

1.1 Overview

This chapter contains information about the product and this manual.

1.2 Information on the product

1.2.1 Demo software for demonstration of the device functions

GAGE-CHEK 2000 Demo is a software application you can install on a computer independently of the device. GAGE-CHEK 2000 Demo helps you to become familiar with, try out or present the functions of the device.

1.2.2 Demo software features

Because of the missing hardware environment the range of features of the demo software does not correspond to the complete functional range of the device. However, you can use the descriptions to familiarize yourself with the most important functions and the user interface.

1.3 Intended use

The products of the GAGE-CHEK 2000 series are advanced digital evaluation electronics for the measurement of exact measured values and for positioning tasks in metrology applications. The products are used primarily on measuring machines and positioning equipment.

GAGE-CHEK 2000 Demo is a software product for demonstration of the basic features of the GAGE-CHEK 2000 series products. GAGE-CHEK 2000 Demo may be used only for presentation, training or testing purposes.

1.4 Improper use

GAGE-CHEK 2000 Demo is not intended for any use other than the intended use. Any use for other purposes is prohibited, specifically:

- For productive purposes in production systems
- As part of production systems

1.5 Notes on reading the documentation

Have you found any errors or would you like to suggest changes?

We continuously strive to improve our documentation for you. Please help us by sending your suggestions to the following e-mail address:

userdoc@heidenhain.de

1.6 Symbols and fonts used for marking text

In these instructions the following symbols and fonts are used for marking text:

Depiction	Meaning
▶ ...	Identifies an action and the result of this action
> ...	Example: ▶ Tap **OK** > The message is closed
■ ...	Identifies an item of a list
■ ...	Example: ■ TTL interface ■ EnDat interface ■ ...
Bold	Identifies menus, displays and buttons Example: ▶ Tap **Shut down** > The operating system shuts down ▶ Turn the power switch off

2

Software installation

2.1 Overview

This chapter provides all of the information needed for downloading and properly installing GAGE-CHEK 2000 Demo on a computer.

2.2 Downloading the installation file

Before you can install the demo software on a computer, you need to download an installation file from the HEIDENHAIN Portal.

> To download the installation file from the HEIDENHAIN Portal, you need access rights to the **Software** portal folder in the directory of the appropriate product.
>
> If you do not have access rights to the Portal's **Software** folder, you can request the access rights from your HEIDENHAIN contact person.

- Download the latest version of GAGE-CHEK 2000 Demo here: **www.heidenhain.de**
- Select the download folder of your browser
- Unpack the downloaded file with the extension **.zip** into a temporary storage folder

> The following files will be unpacked into the temporary storage folder:
  - Installation file with the extension **.exe**
  - File **DemoBackup.mcc**

2.3 System requirements

If you want to install GAGE-CHEK 2000 Demo on a computer, the computer system must meet the following requirements:

- Microsoft Windows 7 or higher
- Screen resolution of at least 1280 × 800 recommended

2.4 Installing GAGE-CHEK 2000 Demo in Microsoft Windows

- Select the temporary storage folder into which you unpacked the downloaded file with the **.zip** extension
  Further information: "Downloading the installation file", Page 12
- Run the installation file with the extension **.exe**

> The installation wizard is opened:

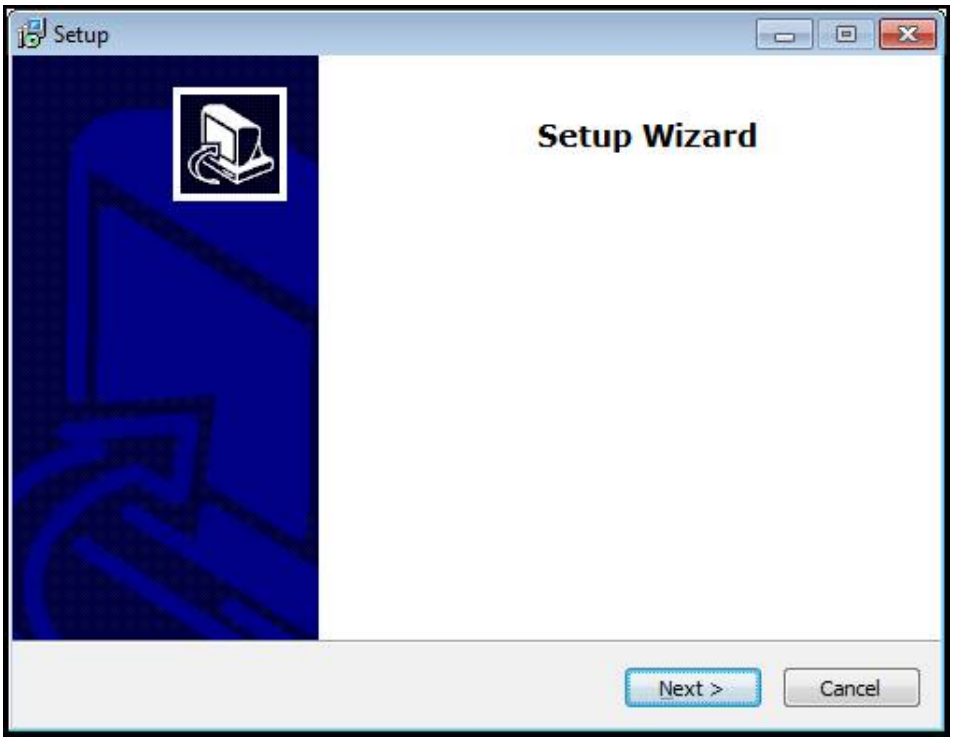


Figure 1: **Installation wizard**

- Click **Next**
- In the **License Agreement** installation step, accept the terms of the license
- Click **Next**

> In the **Select Destination Location** installation step, the installation wizard suggests a storage location. We recommend retaining the suggested storage location.

- In the **Select Destination Location** installation step, select the storage location to which you want to save GAGE-CHEK 2000 Demo
- Click **Next**

> In the **Select Components** installation step, the ScreenshotClient program is also installed by default. ScreenshotClient enables you to take screenshots of the active screen.
>
> If you want to install ScreenshotClient
>
> - In the **Select Components** installation step, leave the default settings unchanged
>
> **Further information:** "ScreenshotClient", Page 43

- In the **Select Components** installation step:
  - Select the type of installation
  - Activate or deactivate the option **Screenshot Utility**

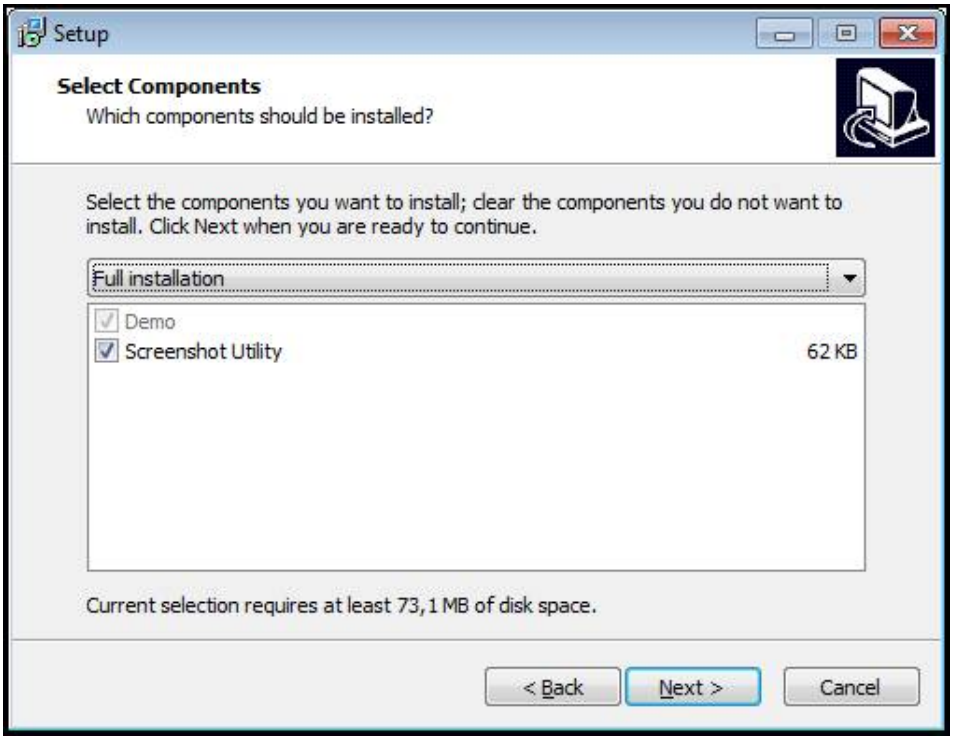


Figure 2: Installation wizard with activated options **Demo software** and **Screenshot Utility**

- Click **Next**
- In the **Select Start Menu Folder** installation step, select the storage location at which you want to create the start menu folder
- Click **Next**
- In the **Select Additional Tasks** installation step, select or deselect **Desktop icon**
- Click **Next**
- Click **Install**

> Installation starts—the status of installation is shown in the progress bar

- After installation has been completed successfully, use **Finish** to close the installation wizard

> The program has been successfully installed on your computer

2.5 Uninstalling GAGE-CHEK 2000 Demo

- Open the following in succession in Microsoft Windows:
  - **Start**
  - **All programs**
  - **HEIDENHAIN**
  - **GAGE-CHEK 2000 Demo**
- Click **Uninstall**

> The uninstallation wizard opens

- To confirm uninstalling, click **Yes**

> Unistallation starts, and the progress bar indicates the status of the unistallation process

- After uninstallation has been completed successfully, close the uninstallation wizard with **OK**

> The program has been successfully removed from your computer

3

Basic operation

3.1 Overview

This chapter describes the user interface, operating elements, and basic functions of GAGE-CHEK 2000 Demo.

3.2 Using the touchscreen and input devices

3.2.1 Touchscreen and input devices

The operating elements on the user interface of GAGE-CHEK 2000 Demo are operated via a touchscreen or a connected mouse.

To enter data, you can use the screen keyboard of the touchscreen or a connected keyboard.

3.2.2 Gestures and mouse actions

To activate, switch or move the operating elements of the user interface, you can use GAGE-CHEK 2000 Demo's touchscreen or a mouse. Gestures are used to operate the touchscreen and the mouse.

The gestures for operating the touchscreen may differ from the gestures for operating the mouse.

If the gestures for operating the touchscreen differ from those for operating the mouse, then these instructions describe both operating options as alternative actions.

The alternative actions for operating the touchscreen or the mouse are identified by the following symbols:

Operation using the touchscreen

Operation using the mouse

The following overview describes the different gestures for operating the touchscreen or the mouse:

Tapping	
	Means touching the screen briefly with your fingertip
	Means pressing the left mouse button once

The actions initiated by tapping include

- Selection of menus, features, or parameters
- Entering characters with the screen keyboard
- Closing dialogs
- Displaying and hiding the main menu in the **Measure** menu
- Displaying and hiding the function bar in the **Measure** menu

Holding (long press)	
	Means touching the screen and holding your finger(s) on it for a few seconds
	Means pressing the left mouse button once and holding it down

The actions initiated by holding are

- Quickly changing the values in input fields with plus and minus buttons

Dragging	
	Is a combination of long press and then swipe, moving a finger over the touchscreen when at least the starting point of motion is defined
	Means pressing the left mouse button once and holding it down while moving the mouse; at least the starting point of the motion is defined

The actions initiated by dragging include

- Scrolling through lists and texts

Swiping	
	A flowing movement of a finger across the touchscreen without a defined starting and end point
	Single pressing and holding down of the left mouse button while simultaneously moving the mouse; the starting point and end point of the movement are not clearly defined

The actions initiated by swiping include

- Changes views

3.3 General operating elements and functions

The operating elements described below are available for configuration and operating the product via the touchscreen or input devices.

Screen keyboard

With the screen keyboard, you can enter text into the input fields of the user interface. Depending on the input field, a numeric or alphanumeric screen keyboard is shown.

- ▶ To enter values, tap an input field
- > The input field is highlighted
- > The screen keyboard is displayed
- ▶ Enter text or numbers
- > The correctness of the entry in the input field is shown with a green check mark, if applicable
- > If the entry is incomplete or incorrect, a red exclamation mark is displayed. In this case, the entry cannot be completed
- ▶ To apply the values, confirm the entry with **RET**
- > The values are displayed
- > The screen keyboard disappears

Input fields with plus and minus buttons

To adjust a numerical value, use the **+** (plus) and **-** (minus) buttons to the left and right of the numerical value.

- ▶ Tap **+** or **-** until the desired value is displayed
- ▶ Long-press **+** or **-** to scroll through the values more quickly
- > The selected value is displayed

Toggle switch

Use the toggle switch to switch between functions.

- ▶ Tap the desired function
- > The active function is shown in green
- > The inactive function is shown in light gray

Slide switch

With the slide switch, you can activate or deactivate a function.

- ▶ Drag the slide switch to the desired position

or

- ▶ Tap the slide switch
- > The function is activated or deactivated

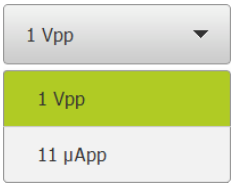
Slider

Use the slider (horizontal or vertical) to continuously adjust values.

- ▶ Drag the slider to the desired position
- > The selected value is displayed graphically or in percent

Drop-down list

Buttons that open drop-down lists are indicated by a triangle pointing down.



- ▶ Tap the button
- > The drop-down list opens
- > The active entry is highlighted in green
- ▶ Tap the desired entry
- > The selected entry is applied

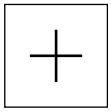
Undo

With this button, you can undo the last action.

Processes that have already been concluded cannot be undone.

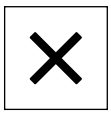
- ▶ Tap **Undo**
- > The last action is undone

Add



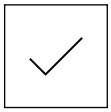
- ▶ To add a feature, tap **Add**
- > The new feature is added

Close



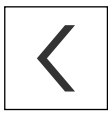
- ▶ Tap **Close** to close a dialog

Confirm



- ▶ Tap **Confirm** to conclude an activity

Back



- ▶ Tap **Back** to return to the higher level in the menu structure

3.4 GAGE-CHEK 2000 Demo – startup and shut-down

3.4.1 Starting GAGE-CHEK 2000 Demo

> Before using GAGE-CHEK 2000 Demo, you need to perform the steps for configuring the software.

GC

- ▶ Tap **GAGE-CHEK 2000 Demo** on the Microsoft Windows desktop

or

- ▶ Open the following in succession in Microsoft Windows:
  - **Start**
  - **All programs**
  - **HEIDENHAIN**
  - **GAGE-CHEK 2000 Demo**

> Two executable files with different modes of appearance are available:
> - **GAGE-CHEK 2000 Demo**: starts within a Microsoft Windows window
> - **GAGE-CHEK 2000 Demo (full screen)**: starts in full-screen mode

GC

- ▶ Tap **GAGE-CHEK 2000 Demo** or **GAGE-CHEK 2000 Demo (full screen)**
- > GAGE-CHEK 2000 Demo starts an output window in the background. The output window is not relevant for operation and is closed again when the GAGE-CHEK 2000 Demo is shut down
- > GAGE-CHEK 2000 Demo starts the user interface with the **User login** menu

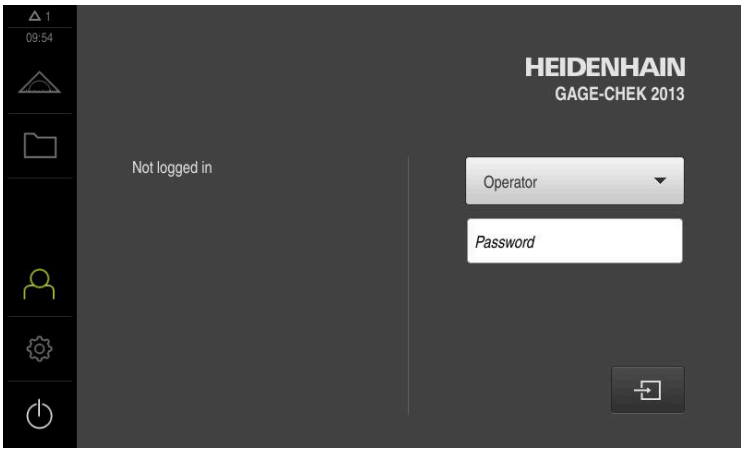


Figure 3: **User login** menu

3.4.2 Shutting down the GAGE-CHEK 2000 Demo

- Tap **Switch off** in the main menu

- Tap **Shut down**
> GAGE-CHEK 2000 Demo is shut down

To shut down GAGE-CHEK 2000 Demo in the Microsoft Windows window, also use the **Switch-off** menu.

If you use **Close** to close the Microsoft Windows window, all settings will be lost.

3.5 User login and logout

In the **User login** menu, you can log in and out of the product as a user.

Only one user can be logged in to the product at a time. The logged-in user is displayed. Before a new user can log in, the logged-in user has to log out.

The product provides various authorization levels that grant the user full or restricted access to management and operation functionality.

3.5.1 User login

- Tap **User login** in the main menu
- In the drop-down list, select the **OEM** user
- Tap the **Password** input field
- Enter the "**oem**" password of the **OEM** user
- Confirm entry with **RET**

- Tap **Log in**
> The user is logged in and the **Measure** menu is displayed

3.5.2 User logout

- Tap **User login** in the main menu

- Tap **Log out**
> The user is logged out
> All functions of the main menu are inactive, except for **Switch off**
> The product can only be used again after a user has logged in

3.6 Setting the language

The user interface language is English. You can change to another language, if desired.

- Tap **Settings** in the main menu

- Tap **User**
- > The logged-in user is indicated by a check mark
- Select the logged-in user
- > The language selected for the user is indicated by a national flag in the **Language** drop-down list
- Select the flag for the desired language from the **Language** drop-down list
- > The user interface is displayed in the selected language

3.7 User interface

The unit is available in different versions, which are variously equipped. The user interface and available functions may vary depending on the version.

3.7.1 User interface after start-up

User interface after start-up

If automatic user login is activated, and the last user who logged in was of the **Operator** type, then the product displays the **Measure** menu with the workspace and the function bar after starting up.

If automatic user login is not activated, then the product opens the **User login** menu.

Further information: "User login menu", Page 28

3.7.2 Main menu of the user interface

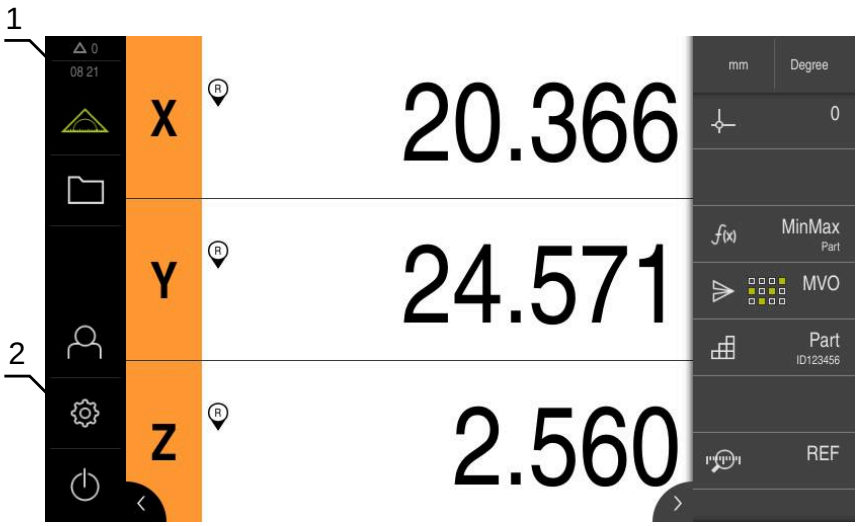


Figure 4: User interface

1 Message display area, displays the time and the number of unclosed messages
2 Main menu with operating elements

Main menu operating elements

Operating element	Function
	**Message** Display of an overview of all messages as well as the number of messages that have not been closed
	**Measure** Positioning and measurement of minimum, maximum, and range; perform relative measurements **Further information:** "Measure menu", Page 26
	**File management** Management of the files that are available on the product **Further information:** "File management menu", Page 27
	**User login** Login and logout of the user **Further information:** "User login menu", Page 28
	 If a user with additional permissions (Setup or OEM user type) is logged in, then the gear symbols appears.
	**Settings** Settings of the product, such as setting up users, configuring sensors, or updating the firmware **Further information:** "Settings menu ", Page 29

Operating element	Function
	**Switch-off** Shutdown of the operating system or activation of power-saving mode **Further information:** "Switch-off menu", Page 30

3.7.3 Measure menu

Calling up

- ▶ Tap **Measure** in the main menu
- > The user interface for measuring and positioning is displayed

Short description

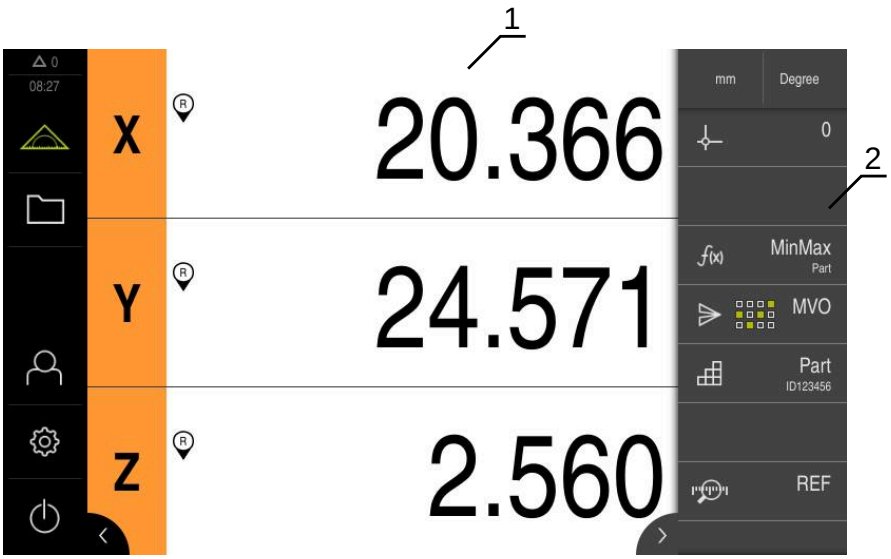


Figure 5: **Measure** menu

1 The workspace shows the current position of the measuring plate
2 The function bar provides the quick access menu and the function elements

3.7.4 File management menu

Calling up

- ▶ Tap **File management** in the main menu
- > The file management user interface is displayed

Short description

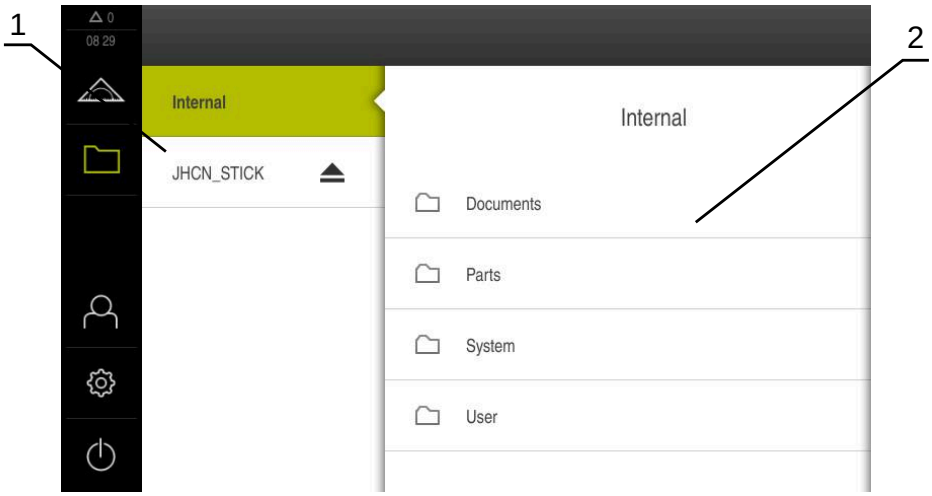


Figure 6: **File management** menu

1 List of available storage locations
2 List of folders in the selected storage location

The **File management** menu shows an overview of the files stored in the product's memory.

3.7.5 User login menu

Calling up

- ▶ Tap **User login** in the main menu
- > The user interface for user login and logout is displayed

Short description

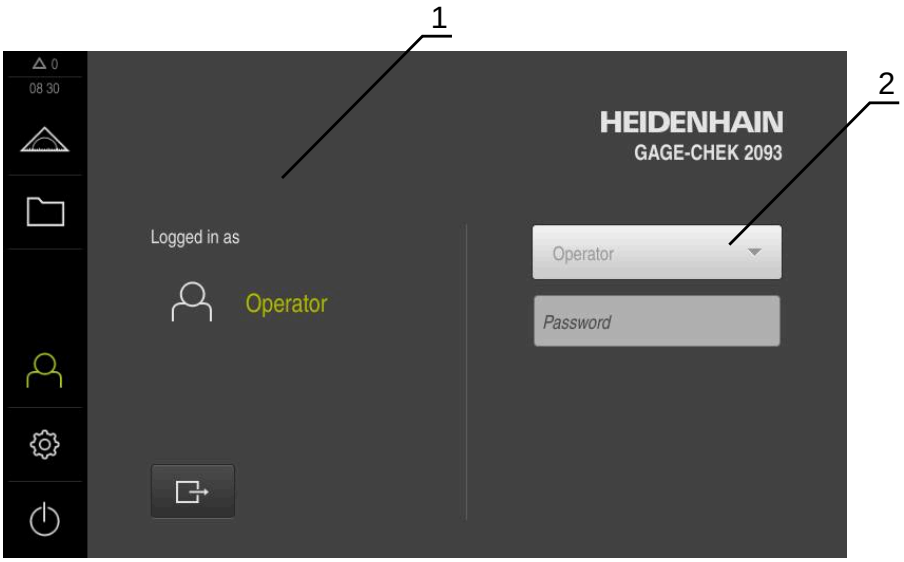


Figure 7: **User login** menu

1 Display of the logged-in user
2 User login

The **User login** menu shows the logged-in user in the column on the left. The login of a new user is displayed in the right-hand column.

To log in another user, the logged-in user must first log out.

Further information: "User login and logout", Page 23

3.7.6 Settings menu

Calling up

- ▶ Tap **Settings** in the main menu
- > The user interface for the product settings is displayed

Short description

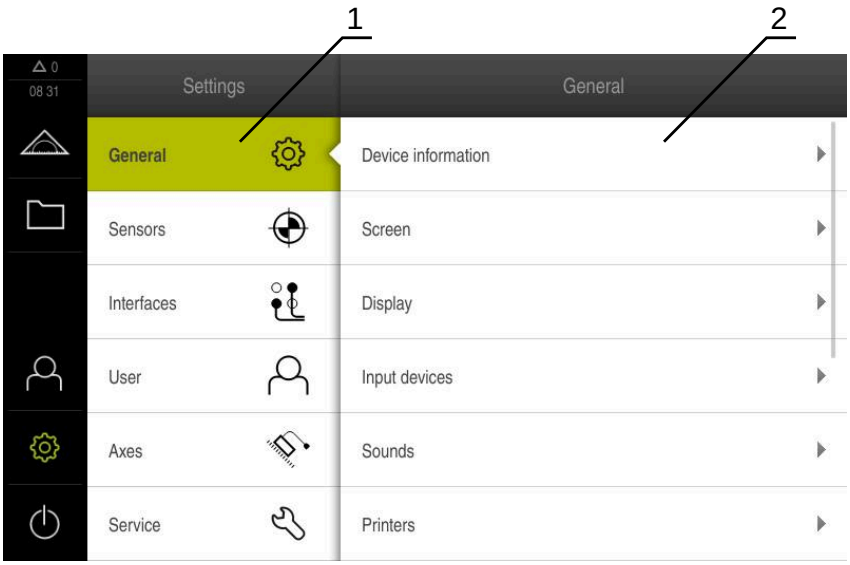


Figure 8: **Settings** menu

1 List of setting options
2 List of setting parameters

The **Settings** menu shows all of the options for configuring the product. With the setting parameters, you can adapt the product to on-site requirements.

The product provides various authorization levels that grant the user full or restricted access to management and operation functionality.

3.7.7 Switch-off menu

Calling up

- ▶ Tap **Switch off** in the main menu
- > The operating elements for shutting down the operating system, for activating the energy-saving mode and for activating the cleaning mode are displayed

Short description

The **Switch off** menu provides the following options:

Operating element	Function
	**Shut down** Shuts down GAGE-CHEK 2000 Demo
	**Energy saving mode** Switches the screen off and puts the operating system into energy-saving mode
	**Cleaning mode** Switches the screen off; the operating system continues unchanged

Further information: "GAGE-CHEK 2000 Demo – startup and shut-down", Page 22

3.8 Position display

The unit's position display shows the axis positions and additional information about the configured axes (if applicable).

3.8.1 Operating elements of the position display

Symbol	Meaning
	Axis key **Axis key functions:** ■ Tapping the axis key: opens the input field for position value ■ Holding down the axis key: sets the current position as zero point
	Reference mark search performed successfully
	Reference mark search not performed or no reference mark detected
	**Minimum**: Lowest measured value (if the **MinMax** function is active)

Symbol	Meaning
	Maximum: Highest measured value (if the **MinMax** function is active)
	Range: Difference between the maximum and minimum (if the **MinMax** function is active)
⌀	Position value is equivalent to the diameter (when **D/R** function activated)

3.9 Customizing the workspace

In the **Measure** menu, you can enlarge the workspace by hiding the main menu or the function bar.

Calling up

- ▶ Tap **Measure** in the main menu
- > The user interface for measuring and positioning appears

3.9.1 Hiding and showing the main menu

- ▶ Tap the **tab**
- > The main menu is hidden
- > The arrow changes direction
- ▶ To show the main menu, tap the **tab** again

3.9.2 Hiding or displaying the function bar

- ▶ Tap the **tab**
- > The function bar is hidden
- > The arrow changes direction
- ▶ To show the function bar, tap the **tab** again

3.9.3 Scrolling the function bar

The function bar becomes scrollable if it has more function elements than can be displayed at one time. Once you have assigned a function to the lowest empty field, an empty field will be added to the function bar and it becomes scrollable.

- ▶ Swipe up or down on the function bar
- > The functions are scrolled up or down

3.9.4 Moving functions on the function bar

You can move the functions on the function bar by drag-and-drop as needed.

- ▶ Hold a function on the function bar
- > The drag-and-drop mode is activated. The function bar is displayed dark
- ▶ Touch a function and drag it to the desired location
- > The function is displayed in green
- ▶ To end the drag-and-drop mode, tap a function
- > The function bar is displayed bright

3.10 Using the function bar

3.10.1 Operating elements of the function bar

Operating element	Function
	**Quick access menu** The quick access menu displays the current settings: ■ Unit for linear values (Millimeters or Inch) ■ Unit for angular values (Radian, Decimal degrees, or Deg-Min-Sec) ▶ To adjust the settings of the quick access menu, tap the quick access menu

3.10.2 Function elements

Function elements are operating elements that you can add to the function bar and configure individually.

The following function elements are available:

Basic functions

Function element	Short description
	**Presets** Displays the current preset; tapping opens the preset table
	**Calculator** Tapping opens a calculator with basic mathematical functions; the last result is shown in the calculator and on the function bar
	**Reference mark search (REF)** Tapping starts the reference mark search

Functions for measurements

Function element	Short description
	**Part** Groups all relevant functions; tapping hides all functions that are irrelevant to the measurement
	**Mastering** Saves the measured values of a reference part as master or adopts the position values of the position display as master; corresponding axes can be selected
	**dial gage** Displays the nominal values, warning thresholds, and tolerance limits via a dial gage; tapping opens the views of the **dial gage** function
	**MinMax** Acquires the minimum, maximum, and range; tapping starts the acquisition of measured values according to the configuration
	**Relative** Tapping activates **Relative measurement**; the zeroing of axes or the overwriting of a position value has no effect on the selected preset when the **Relative** function is activated
	**D/R** Displays the position values of radial axes; tapping switches from radius to diameter; the product displays the doubled position value

Functions for measured value output

Function element	Short description
	**Manual output of measured values** Sends the measured values to a computer; tapping starts the data transfer according to the configuration
	**Measured value output triggered by touch probe** Sends the measured values to a computer; tapping activates the automatic output of measured values according to the configuration; the data is transferred when the stylus is deflected
	**Continuous output of measured values** Sends the measured values to a computer; tapping activates the automatic output of measured values according to the configuration; the data is transferred continuously at intervals of approx. 200 ms

Functions for probing

Function element	Short description
	**Edge probing (probing)** Tapping starts the wizard for probing an object of measurement

Function element	Short description
	**Determining the center line (probing)** Tapping starts the wizard for probing an object of measurement
	**Determining the circle center (probing)** Tapping starts the wizard for probing an object of measurement

Adding a function element to the function bar

- ▶ Drag an empty function bar field to the left and into the workspace
- > A dialog box with all of the available function elements opens
- ▶ Tap the desired function element
- ▶ Tap **Close**
- > The function element is now available

Removing a function element from the function bar

- ▶ Drag the function element to the right
- ▶ Tap **Delete**
- > The function element is removed

Saving the configuration of function elements

The function elements **dial gage**, **Mastering**, **Measured value output**, and **MinMax** allow you to save your configuration and open a configuration that has been saved.

- ▶ Drag the function element to the right
- ▶ Tap **Save**
- > The **Save configuration** dialog box appears
- ▶ Select the folder in which the configuration should be saved
- ▶ Specify a name for the XMG file
- ▶ Confirm entry with **RET**
- ▶ Tap **Save**
- > The file was saved

You can export or import saved configurations from or to your device via a USB mass storage product.

Opening the configuration of function elements

- Drag the function element to the right
- Tap **Open**

> The **Open configuration** dialog is opened

- Navigate to the folder in which the file is saved
- Tap the desired XMG file
- Tap **Open**

> The file is opened

4

Software configuration

4.1 Overview

Make sure that you have read and understood the "Basic operation" chapter before carrying out the actions described below.

Further information: "Basic operation", Page 17

Before you can use GAGE-CHEK 2000 Demo correctly after successful installation, you need to configure GAGE-CHEK 2000 Demo. This chapter describes how to perform the following settings:

- Setting the language
- Activating software options
- Selecting the product version (optional)
- Copying the configuration file
- Uploading the configuration data

4.2 Setting the language

The user interface language is English. You can change to another language, if desired.

- ▶ Tap **Settings** in the main menu

- ▶ Tap **User**
- > The logged-in user is indicated by a check mark
- ▶ Select the logged-in user
- > The language selected for the user is indicated by a national flag in the **Language** drop-down list
- ▶ Select the flag for the desired language from the **Language** drop-down list
- > The user interface is displayed in the selected language

4.3 Activating software options

With GAGE-CHEK 2000 Demo, you can also simulate characteristics and functions that are dependent on a software option. To do so, you must enable the software option with a license key. The required license key is stored in a license file in the GAGE-CHEK 2000 Demo folder structure.

You must read in the license file in order to enable the available software options.

- ▶ Tap **Settings** in the main menu
- > The product settings are displayed

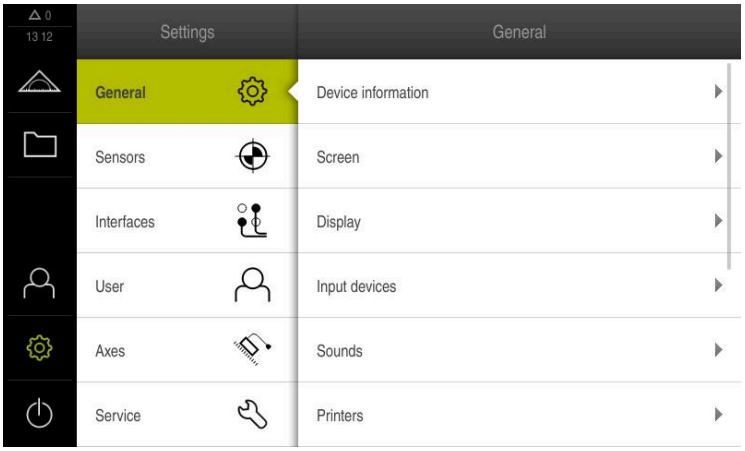


Figure: **Settings** menu

- ▶ Tap **Service**
- ▶ Open in succession:
  - **Software options**
  - **Activate options**
  - Tap **Read license file**
- ▶ In the dialog box, select the storage location:
  - Select **Internal**
  - Select **User**
- ▶ Select the **PcDemoLicense.xml** license file
- ▶ Confirm your selection with **Select**
- ▶ Tap **OK**
- > The license key is activated
- ▶ Tap **OK**
- > You are prompted to restart the product
- ▶ Perform a restart
- > The functions depending on the software options are available

4.4 Selecting the product version (optional)

GAGE-CHEK 2000 is available in different versions. These versions differ in their interfaces for connectible encoders:

- GAGE-CHEK 2013 version for encoders with the 1 V_{PP}, 11 μA_{PP} or EnDat 2.2 interfaces
- GAGE-CHEK 2023 version for encoders with TTL interface
- GAGE-CHEK 2093 version for encoders with various interfaces (1 V_{PP}, 11 μA_{PP}, or EnDat 2.2 and TTL)

In the **Settings** menu, you can select the version that is to be simulated with GAGE-CHEK 2000 Demo

- ▶ Tap **Settings** in the main menu

- ▶ Tap **Service**
- ▶ Tap **Product designation**
- ▶ Select the desired version
- > You are now prompted to perform a restart
- > GAGE-CHEK 2000 Demo is ready for use in the desired version

4.5 Copying the configuration file

Before you can load the configuration data in GAGE-CHEK 2000 Demo, you must first copy the downloaded configuration file **DemoBackup.mcc** to an area that can be accessed by GAGE-CHEK 2000 Demo.

- ▶ Move to the temporary storage folder
- ▶ For example, copy the configuration file **DemoBackup.mcc** to the following folder: **C:** ▶ **HEIDENHAIN** ▶ **[product name]** ▶ **ProductsMGE5** ▶ **Metrology** ▶ **[product abbreviation]** ▶ **user** ▶ **User**

> In order for GAGE-CHEK 2000 Demo to access the configuration file **DemoBackup.mcc**, you must retain the following part of the path when you save the file: ▶ **[product name]** ▶ **ProductsMGE5** ▶ **Metrology** ▶ **[product abbreviation]** ▶ **user** ▶ **User**.

- > The configuration file can be accessed by GAGE-CHEK 2000 Demo

4.6 Uploading the configuration data

> Before you can upload the configuration data, you must first activate the license key.
>
> **Further information:** "Activating software options", Page 39

In order to configure GAGE-CHEK 2000 Demo for use on the computer, you must upload the **DemoBackup.mcc** configuration file.

- ▶ Tap **Settings** in the main menu
- > The product settings are displayed

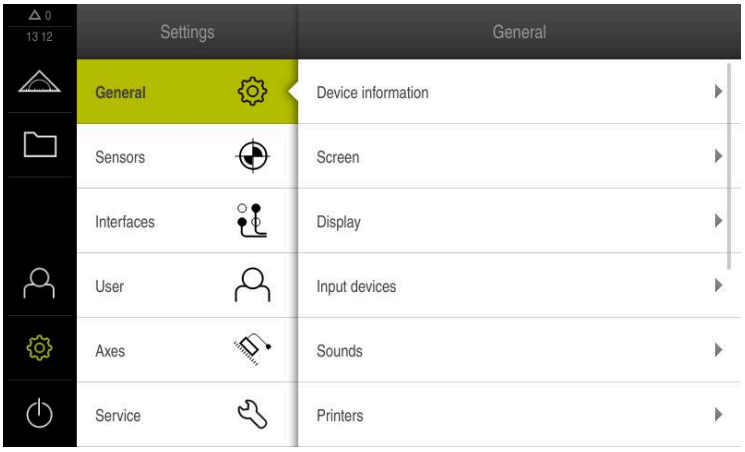


Figure 9: **Settings** menu

- ▶ Tap **Service**
- ▶ Open in succession:
  - **Back up and restore**
  - **Restore settings**
  - **Complete restoration**
- ▶ In the dialog box, select the storage location:
  - **Internal**
  - **User**
- ▶ Select the **DemoBackup.mcc** configuration file
- ▶ Confirm your selection with **Select**
- > The settings are applied
- > You are prompted to close the application
- ▶ Tap **OK**
- > GAGE-CHEK 2000 Demo is closed, and the Microsoft Windows window is closed
- ▶ Restart GAGE-CHEK 2000 Demo
- > GAGE-CHEK 2000 Demo is now ready for use

5

ScreenshotClient

5.1 Overview

The standard installation of GAGE-CHEK 2000 Demo also contains the ScreenshotClient program. With ScreenshotClient, you can take screenshots of the demo software or the unit.

This chapter describes how ScreenshotClient is configured and used.

5.2 Information about ScreenshotClient

With ScreenshotClient, you can take screenshots of the active screen of the demo software or the unit from a computer. Before taking a screenshot, select the desired user interface language, as well as the file name and the location where you want to store the screenshots.

ScreenshotClient creates image files of the desired screen:

- In .PNG format
- With the configured name
- With the appropriate language code
- With the time information of year, month, day, hour, minute, and second

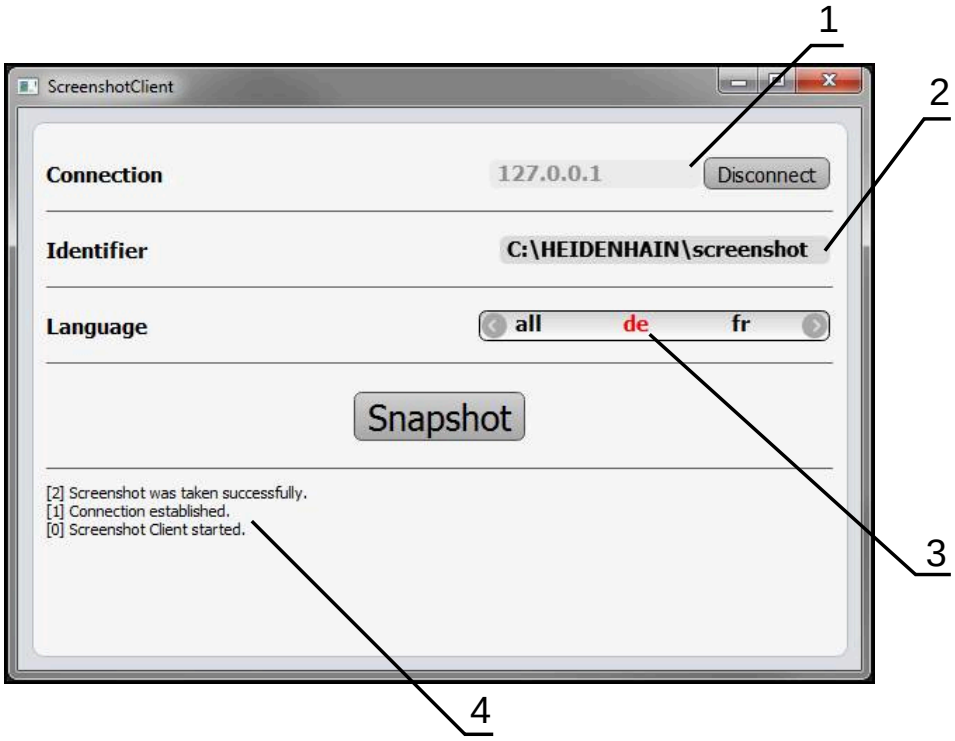


Figure 10: ScreenshotClient user interface

1 Connection status
2 File path and file name
3 Language selection
4 Status messages

5.3 Starting ScreenshotClient

- Select in succession in Microsoft Windows:
  - **Start**
  - **All programs**
  - **HEIDENHAIN**
  - **GAGE-CHEK 2000 Demo**
  - **ScreenshotClient**

> ScreenshotClient is started:

Figure 11: ScreenshotClient has been started (not connected yet)

> You can now connect ScreenshotClient with the demo software or the product

5.4 Connecting ScreenshotClient with the demo software

Before establishing a connection with ScreenshotClient, first start the demo software or switch on the unit. Otherwise ScreenshotClient will show the status message **Connection close.** when trying to connect.

- Start the demo software if you have not already done so
  Further information: "Starting GAGE-CHEK 2000 Demo", Page 22
- Tap **Connect**

> A connection with the demo software is established

> The status message is updated

> The **Identifier** and **Language** input fields become active

5.5 Connecting ScreenshotClient with the unit

Prerequisite: The network must be configured on the device.

For detailed information on configuring the network at the unit, please refer to the "Setup" chapter in the operating instructions of GAGE-CHEK 2000.

Before establishing a connection with ScreenshotClient, first start the demo software or switch on the unit. Otherwise ScreenshotClient will show the status message **Connection close.** when trying to connect.

- Switch on the unit if you have not already done so
- Enter the **IPv4 address** of the interface in the **Connection** input field.
  You will find the address in the device settings under:
  Interfaces ► Network ► X116
- Tap **Connect**

> A connection with the unit is established
> The status message is updated
> The **Identifier** and **Language** input fields become active

5.6 Configuring ScreenshotClient for taking screenshots

Once you have started ScreenshotClient, you can make the following configurations:

- Location at which screenshots are stored, and what the file names are
- User interface language in which the screenshots are created

5.6.1 Configuring the storage location and file name for screenshots

By default, ScreenshotClient saves screenshots to the following storage location:

C: ► HEIDENHAIN ► [product designation] ► ProductsMGE5 ► Metrology ► [product code] ► sources ► [file name]

You can define a different storage location, if necessary.

- Tap the **Identifier** input field
- Enter the path to the storage location and the name for the screenshots into the **Identifier** input field

Use the following syntax to enter the path and file name for screenshots:
[drive]:\[folder]\[file name]

> ScreenshotClient will save all screenshots to the storage location entered

5.6.2 Configuring the user interface language of screenshots

The **Language** input field shows all of the user interface languages available for the demo software or the unit. Once you have selected a language code, ScreenshotClient will take screenshots in the corresponding language.

> The user interface language you are using in the demo software or on the unit does not have any effect on the screenshots. Screenshots are always created in the language that you have selected in ScreenshotClient.

Screenshots in the desired user interface language

To take screenshots in a desired user interface language

- ▶ Use the arrow keys to select the desired language code in the **Language** input field
- > The selected language code is shown in red
- > ScreenshotClient creates the screenshots in the desired user interface language

Screenshots of all available user interface languages

To create screenshots in all available user interface languages

- ▶ Use the arrow keys to select **all** in the **Language** input field
- > The **all** language code is shown in red
- > ScreenshotClient creates the screenshots in all available user interface languages

5.7 Creating screenshots

- In the demo software or on the unit, call the view from which you would like to take a screenshot
- Switch to **ScreenshotClient**
- Tap **Snapshot**

> The screenshot is created and saved to the configured storage location

> The screenshot is saved in the format [file name]_[language code]_[YYYYMMDDhhmmss] (e.g. **screenshot_en_20170125114100**)

> The status message is updated:

Figure 12: ScreenshotClient after screenshot has been created successfully

5.8 Exiting ScreenshotClient

- Tap **Disconnect**

> The connection to the demo software or the unit is terminated

- Tap **Close**

> ScreenshotClient is exited

6 Index

7 List of figures

HEIDENHAIN

DR. JOHANNES HEIDENHAIN GmbH
Dr.-Johannes-Heidenhain-Straße 5
83301 Traunreut, Germany
☏ +49 8669 31-0
FAX +49 8669 32-5061
E-mail: info@heidenhain.de

Technical support FAX +49 8669 32-1000
Measuring systems ☏ +49 8669 31-3104
E-mail: service.ms-support@heidenhain.de
NC support ☏ +49 8669 31-3101
E-mail: service.nc-support@heidenhain.de
NC programming ☏ +49 8669 31-3103
E-mail: service.nc-pgm@heidenhain.de
PLC programming ☏ +49 8669 31-3102
E-mail: service.plc@heidenhain.de
APP programming ☏ +49 8669 31-3106
E-mail: service.app@heidenhain.de

www.heidenhain.de

Original document
1251623 · 04 · A · 02 · 06/2021 · PDF