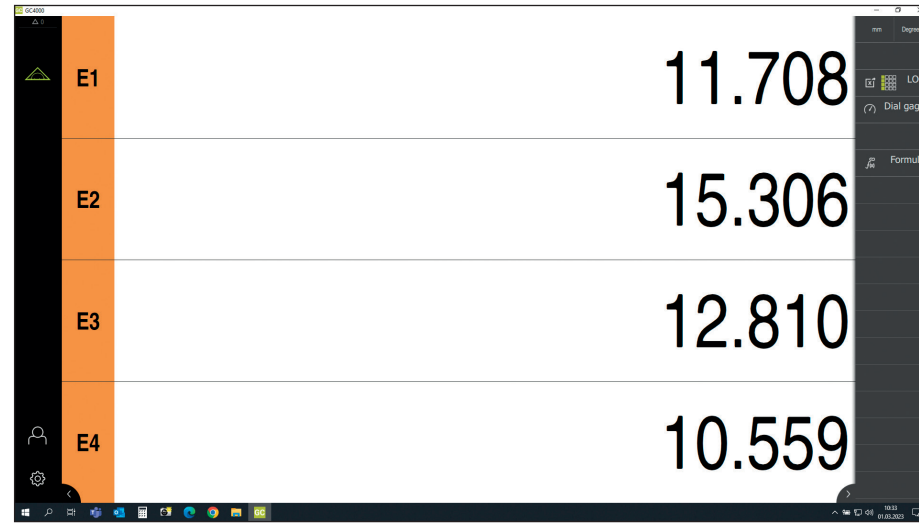# HEIDENHAIN

GAGE-CHEK 4000 SW

Evaluation software for reliable 1D measured-value acquisition

The GAGE-CHEK 4000 evaluation software is particularly suitable for positioning tasks on measuring and positioning equipment. Position values can be loaded directly to Excel using a LOG function.
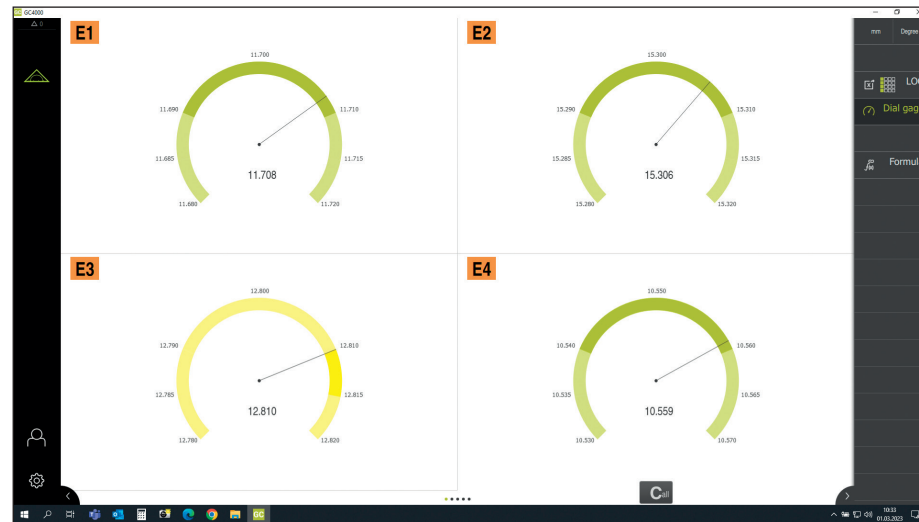
Functions

The logical arrangement of menus and function elements provides intuitive user guidance, which supports you while using the different functions. Along with the typical functionality, such as zero resetting and preset setting, the GAGE-CHEK 4000 software also offers the following practical features:

- Configurability of each axis for length or angle display
- Measurement series with recording of minimum and maximum values
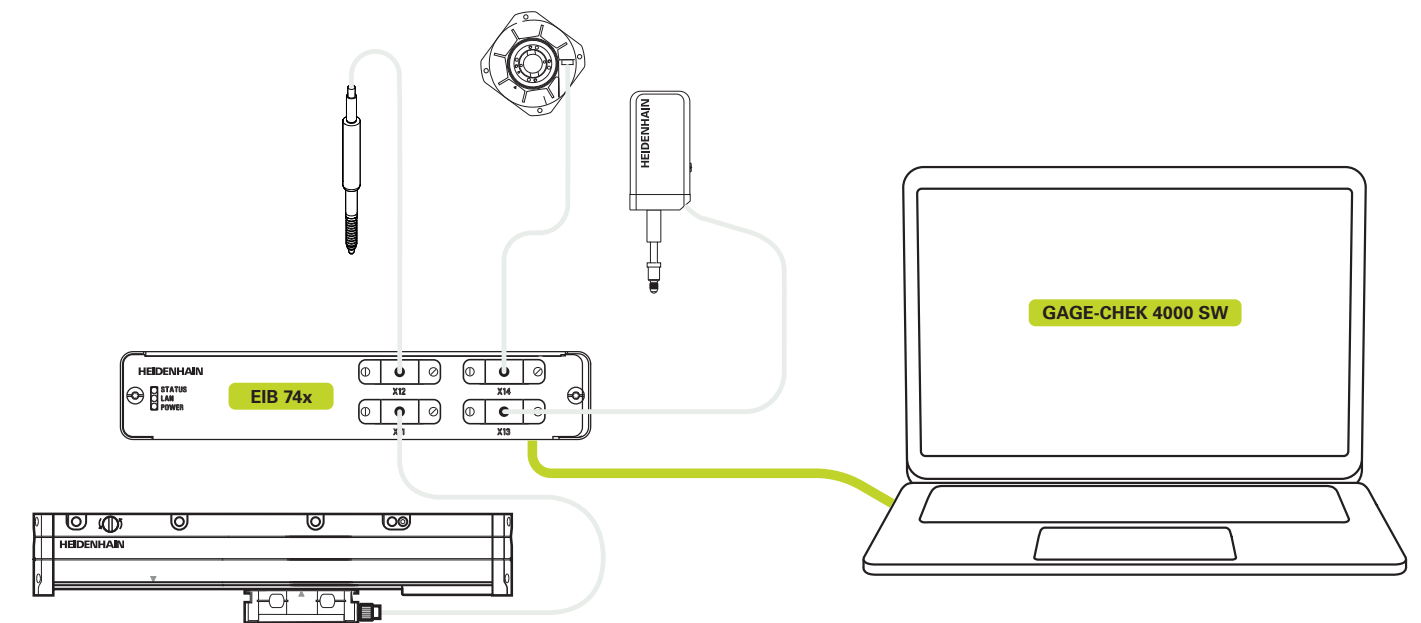- Simple switching of the counting direction
- LOG function for Excel

Clear overview

Only those functions that are actually available within a given context and situation are shown. The self-explanatory operating elements provide intuitive user guidance.

System requirements	GAGE-CHEK 4000 SW
Hardware interface	EIB 74x[1] (must be ordered separately from HEIDENHAIN; for more information, see *www.heidenhain.com/products/signal-converters*)
Encoder interfaces	1 V_{PP}, 11 μA_{PP} or EnDat 2.2
Operating system	Microsoft Windows 10 (version 1803 or higher)
Hard-disk space	> 250 MB
Screen resolution	> 1280 x 800 pixels
Microsoft Office	Excel 365 for LOG functions
License	Various license models are available for the software: • 1089223-01: Lifetime license • 1089224-01: Rental license (duration: anywhere from 1 month to 24 months) • 1089224-52: Trial license (free for 2 months)

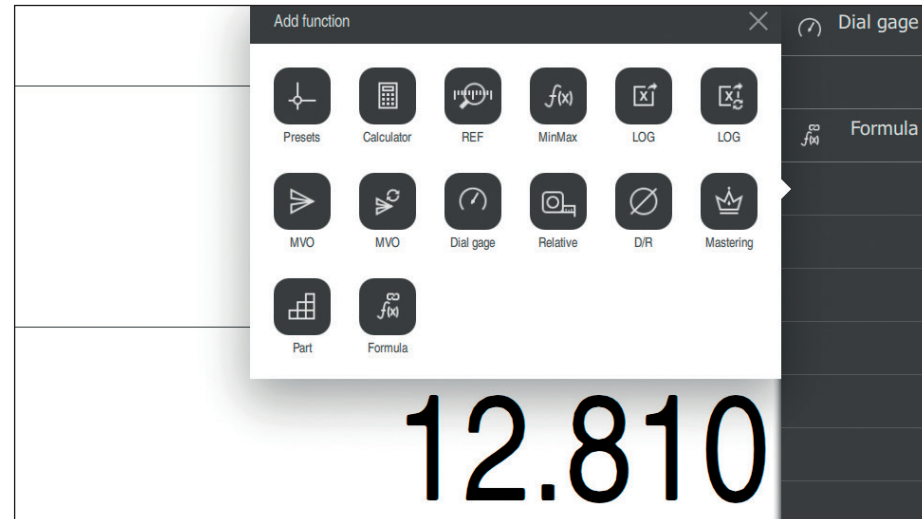[1] The TCP port must be correspondingly enabled on the PC

Connection of encoders through an EIB 74x

Microsoft and Excel 365 are registered trademarks of Microsoft Corporation.
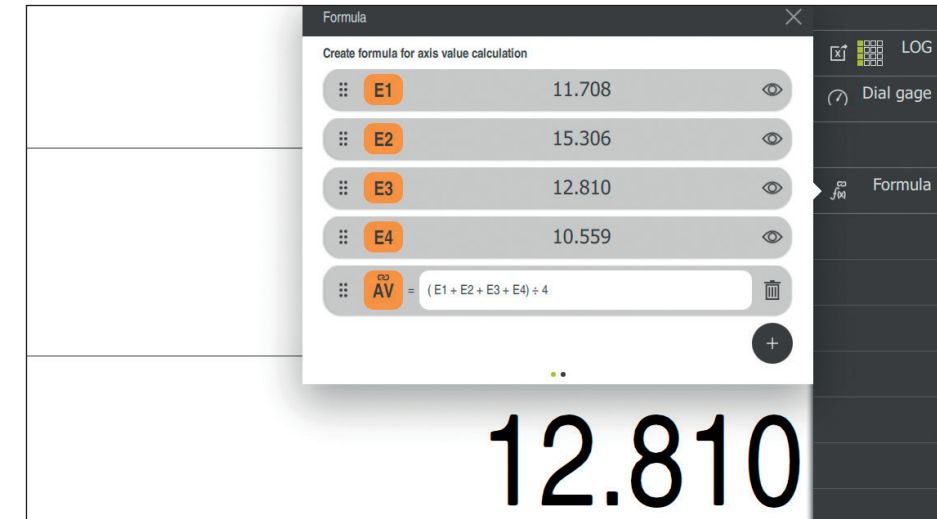
GAGE-CHEK 4000 SW
Functions

Configurable function elements

The functionality of the GAGE-CHEK 4000 software can be adapted to the given requirements through individually configurable function elements in the function bar. A preset table and the storage of minimum and maximum values are some of the available functions.
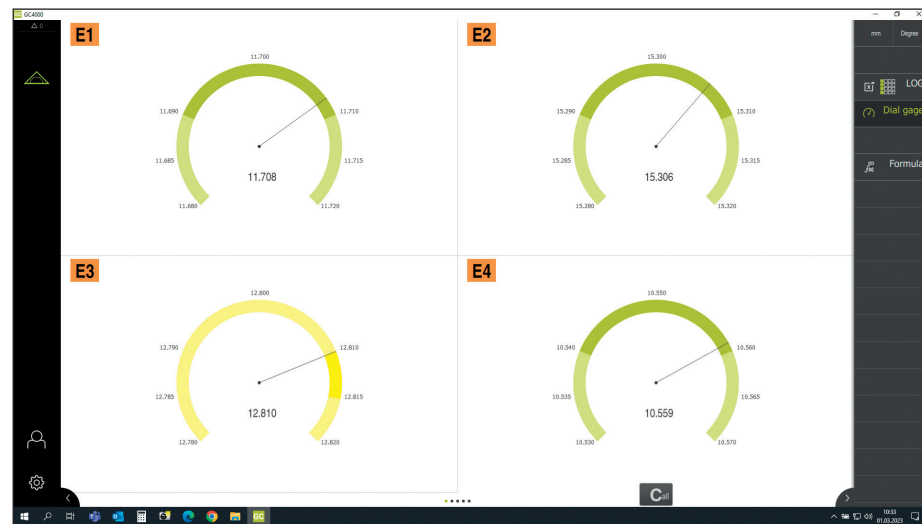

Formula calculations with position values

The Formula function programmed into the GAGE-CHEK 4000 software offers various calculation operations. For example, the average value of all axes can be displayed or parallel axes can be combined.
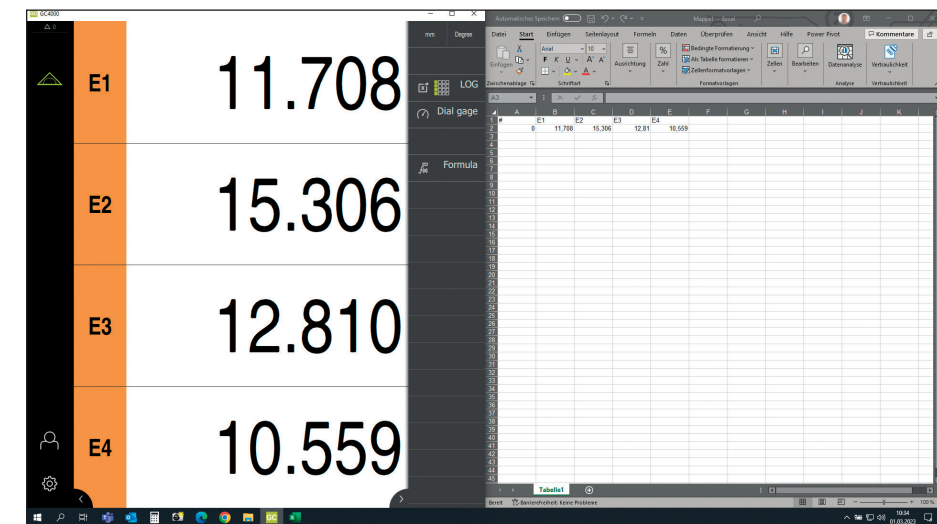

Dial gage

The dial gage function lets you make a direct comparison between the acquired measured values and the nominal value, warning limits, and tolerance limits. The measured values are shown as a graph in the form of a dial gage. During evaluation, the GAGE-CHEK 4000 software supports you with a color depiction of a dial gage.

LOG function for Excel

The LOG function of the GAGE-CHEK 4000 software sends the measured values directly to Excel 365 without requiring any additional software. Excel can then process the data further, for example in order to generate measurement series.

HEIDENHAIN

📖 **More information:**

Comply with the requirements described in the following documents to ensure correct and intended operation:
• Brochure: *Evaluation Electronics*   1000344-xx