Product Information

GAGE-CHEK 4000 SW
Evaluation Software for
Metrology Applications
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

System requirements

<table>
<thead>
<tr>
<th>GAGE-CHEK 4000 SW</th>
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</thead>
<tbody>
<tr>
<td>Hardware interface</td>
<td>EIB 74x 1)</td>
</tr>
<tr>
<td>Encoder interfaces</td>
<td>1 VPP, 11 µAPP, EnDat 2.2</td>
</tr>
<tr>
<td>Operating system</td>
<td>Microsoft Windows 10 (version 1803 or higher)</td>
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<tr>
<td>Hard-disk space</td>
<td>&gt; 250 MB</td>
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<tr>
<td>Screen resolution</td>
<td>&gt; 1280 x 800 pixels</td>
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<tr>
<td>Microsoft Office</td>
<td>Excel 365 for LOG functions</td>
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</tbody>
</table>
| 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

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.

Connection of encoders through an EIB 74x

Microsoft and Excel 365 are registered trademarks of Microsoft Corporation.
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.

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.

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.

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.

Formula

LOG function for Excel

12.810
This Product Information document supersedes all previous editions, which thereby become invalid. The basis for ordering from HEIDENHAIN is always the Product Information document edition valid when the order is placed.

More information:
Comply with the requirements described in the following documents to ensure correct and intended operation:

- Brochure: Evaluation Electronics