

Data-Logger evaluation software

GSoft V3.2



Data-logging in process

- With the hand-held pressure indicators model CPH6200, CPH6300 or CPH6210 or hand-held thermometer model CTH6200 it is possible to log and store measurement data into the instrument. With the GSoft data-logger evaluation software it is possible to download and analyses the measurement results/data.



Instrument features

- CPH6200, CPH6300, CPH6210 and CTH6200 have data logger integrated to store measurement data
- Manual or automatic (cyclic) data-logging is possible (selectable interval of 1s up to 1h)
- Storing up to 16,200 measurement data (depending on model)

Pressure

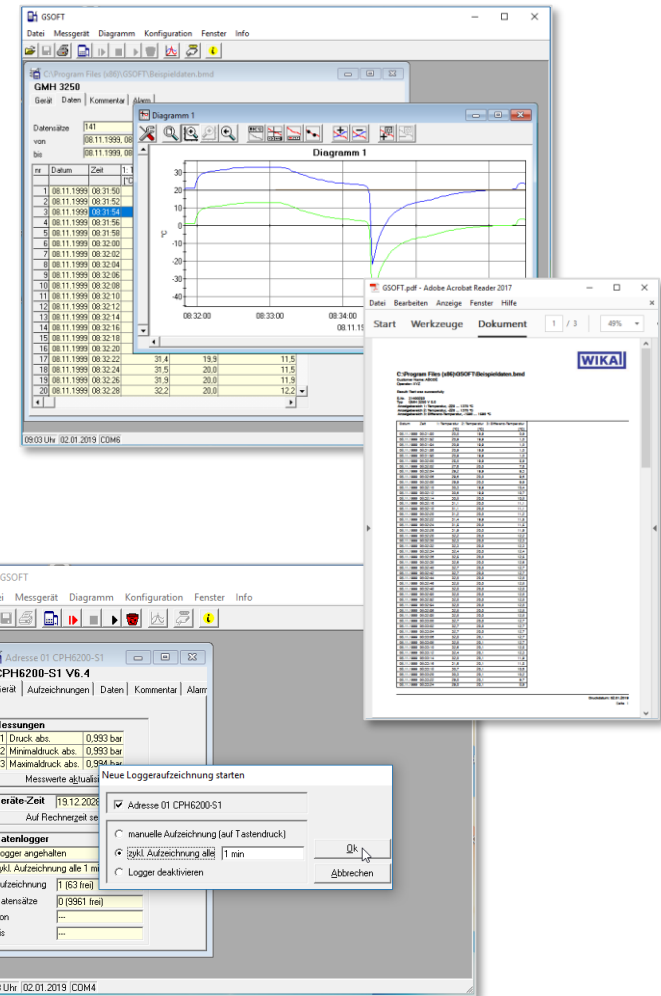


Temperature



Software features

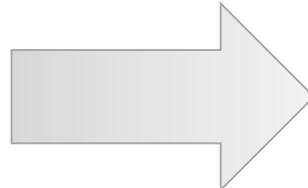
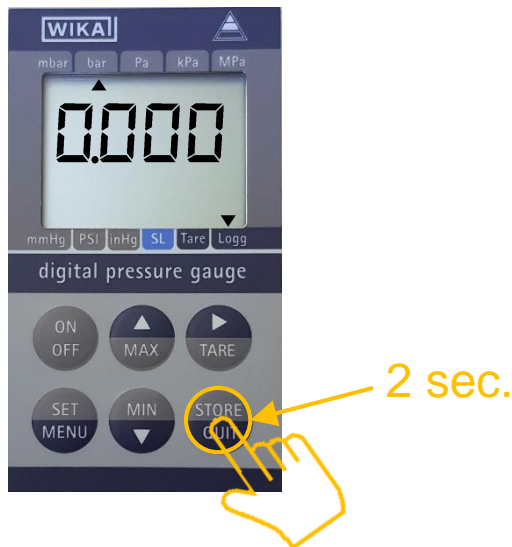
- Easy operation due to self-explanatory icon buttons
- Data from the pressure and temperature hand-held can displayed in one chart.
- Zoom function
- Remote operation
(Configuration of integrated data logger)
- Print function (graph and table)
- Data can be exported to Excel[®], etc.
- Program Languages: English, German, French, Spanish, Czech
- Windows[™] 95, 98, 2000, XP Vista, 7, 8, 10



Start cyclic logging (measurement storage)




Measuring mode



Logger active



Initial state: Measuring mode

→ To start logging press  for 2 sec*

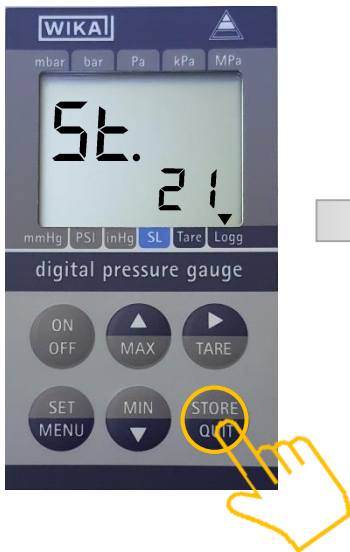
Cyclic measurement storage is active.


→ Logger is active until stopped manually or logger reaches storage capacity (see next slide)

*cyclic logger must activated before

Stop cyclic logging (measurement storage)


Logger active



Logger can stopped,
by pressing 

Stop logger?
NO



Safety function:
Do you really want to stop?
Select „Yes“ by pressing 

Stop logger?
YES



Press  again, to confirm

Measuring mode



Initial state:
Measuring mode

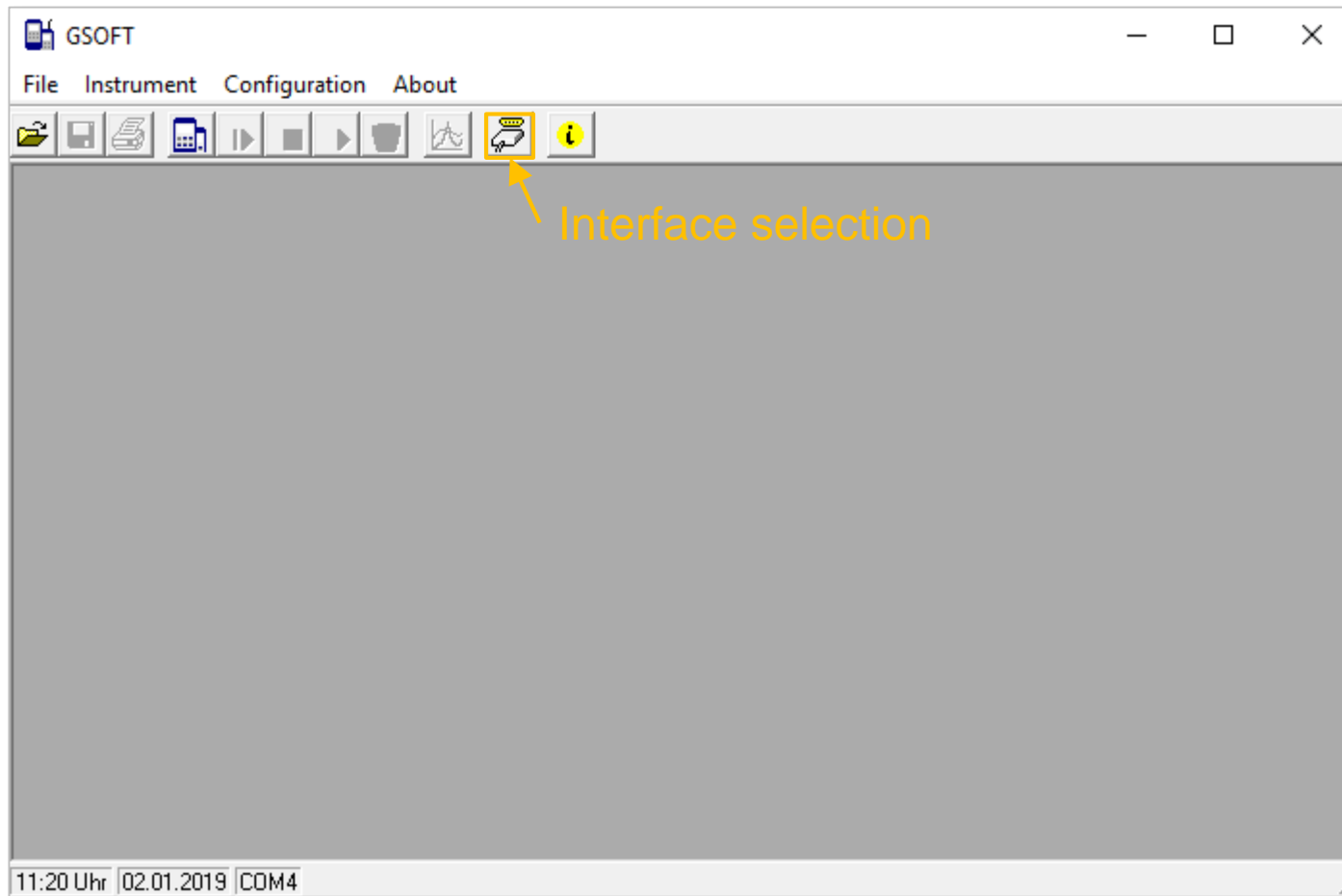
Connecting hand-held to PC

GSoft offers the possibility to show the logged data on PC as table or diagram

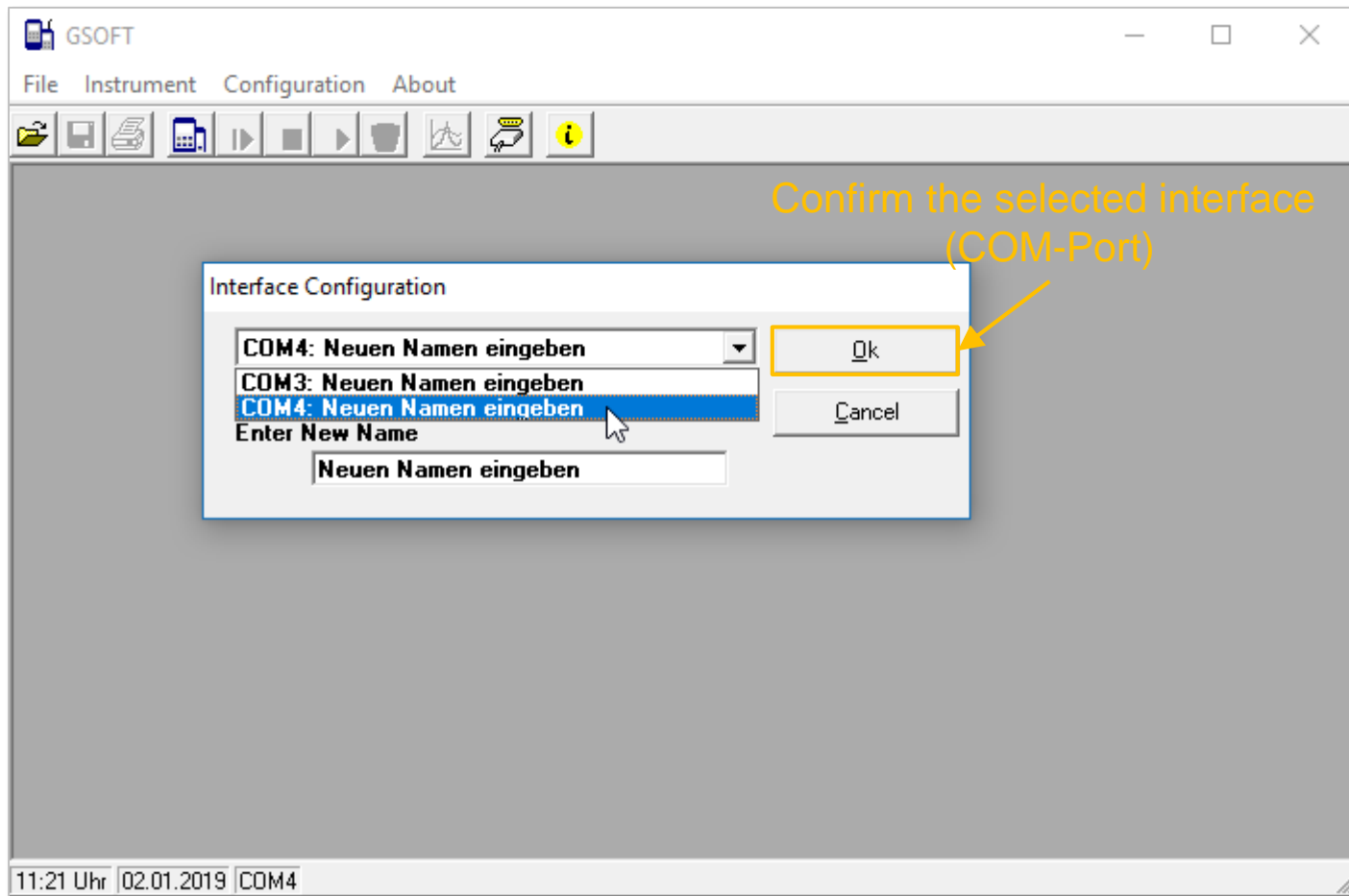
→ Connect the Hand-Held with the specific USB- or RS232 Interface cable to you PC.



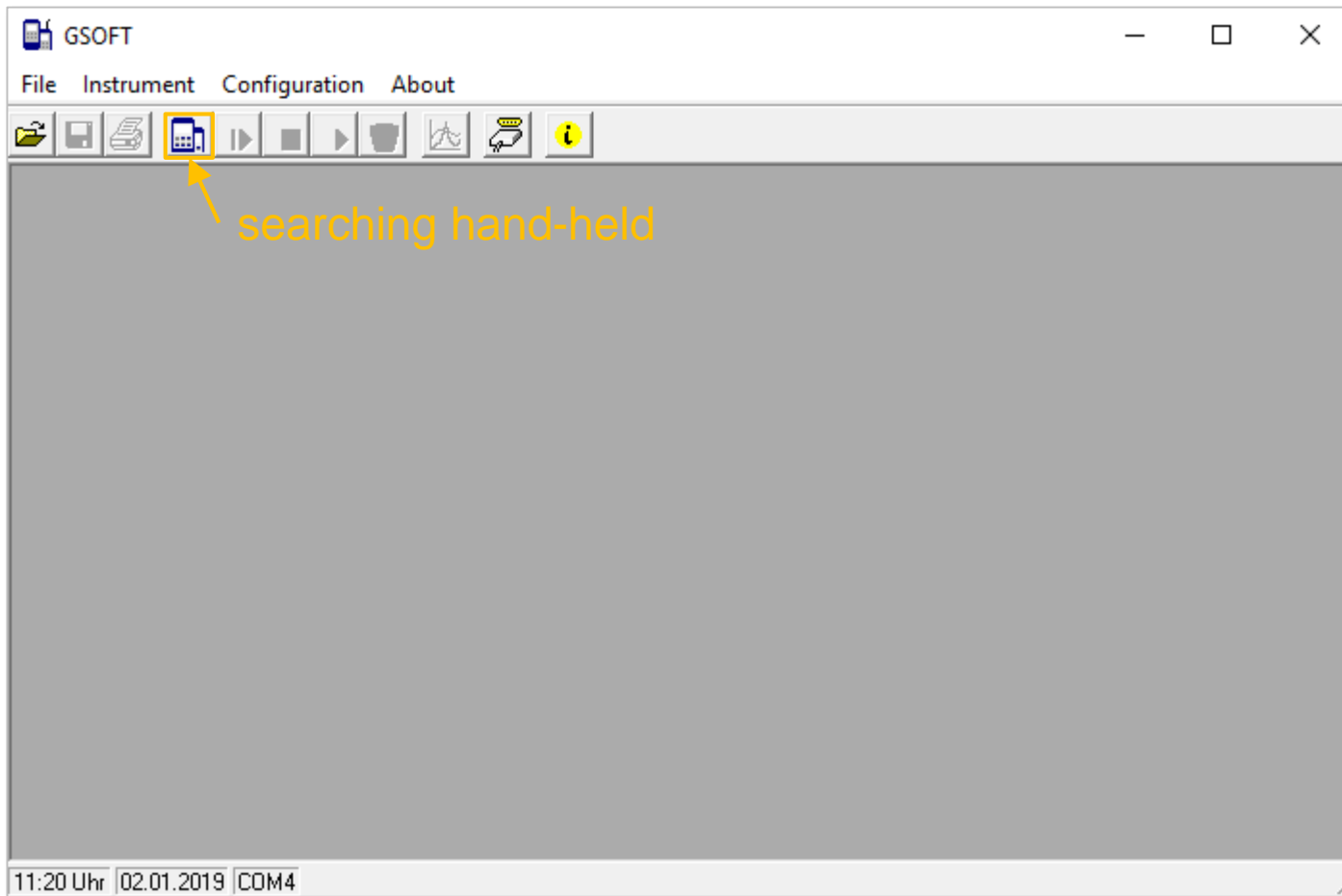
1. Interface configuration



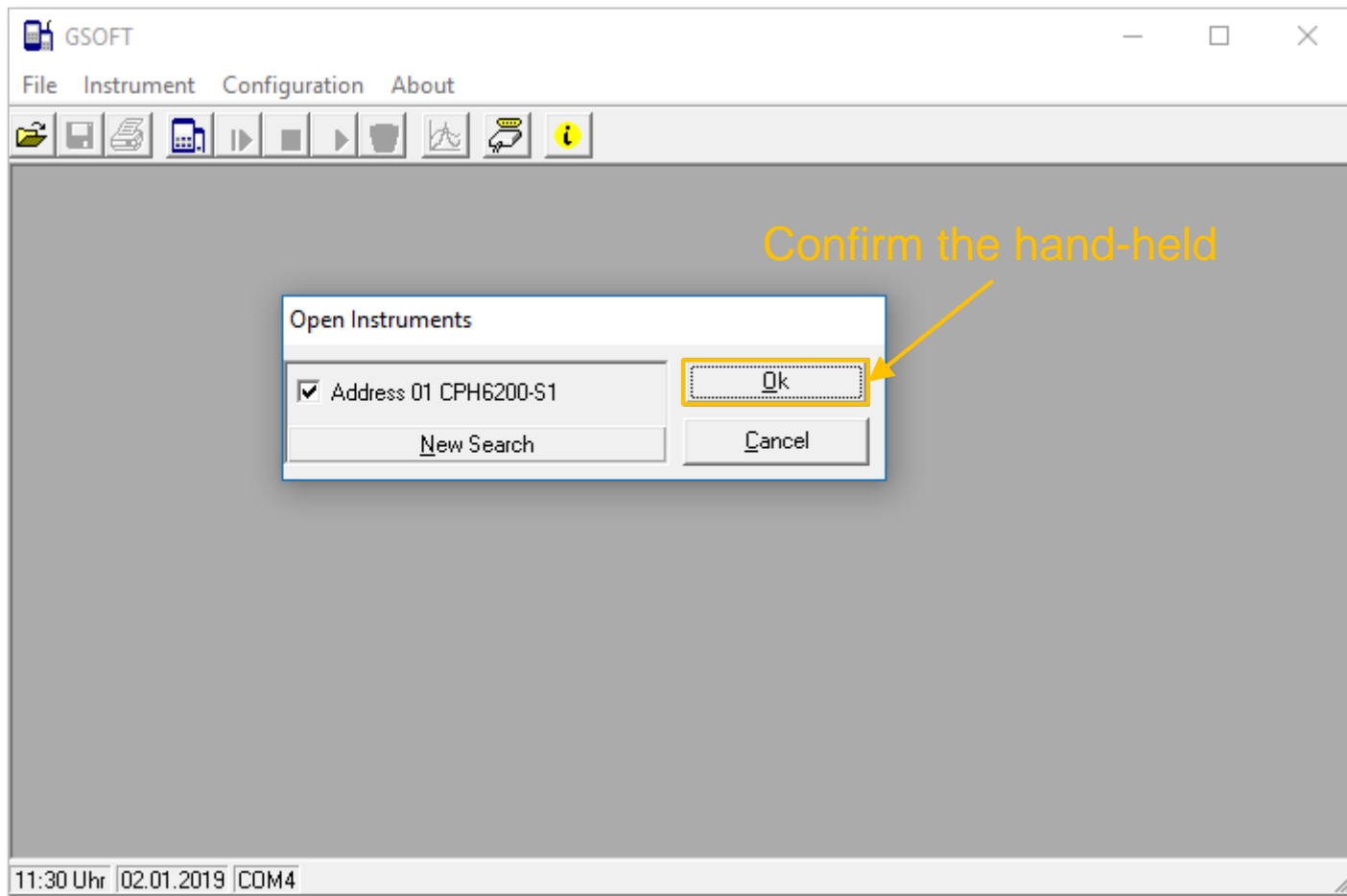
1. Interface configuration



2. Connecting the hand-held



3. Select the hand-held



4. Show current status

The screenshot shows the GSOFT software interface. The main window title is "GSOFT" and the menu bar includes "File", "Instrument", "Diagram", "Configuration", "Window", and "About". The toolbar contains various icons, with a yellow arrow pointing to the "Read logger data" icon (a red square with a white play button). The main content area is divided into several sections:

- Address 01 CPH6200-S1**: A sub-window title.
- CPH6200-S1 V6.4**: The instrument model.
- Instrument | Recordings | Data | Comment | Alarm**: A tabbed interface with "Data" selected.
- Measurements**: A table showing current measurement data.

| Measurement ID | Measurement Name | Value |
|----------------|------------------------|-----------|
| 1 | Absolute Pressure | 0,994 bar |
| 2 | Absolute Pressure Min. | 0,993 bar |
| 3 | Absolute Pressure Max. | 0,994 bar |

Refresh Measurements
- Time**: 19.12.2028, 18:51:55
Set to Computer Time
- Datalogger**:
 - logger halted
 - Cyclic recording every 1 min
 - Recording: 1 (63 free)
 - Data Sets: 0 (9961 free)
 - first: ---
 - last: ---

At the bottom of the window, the status bar shows: 11:34 Uhr | 02.01.2019 | COM4

Read logger data

Current measurement data

Current data logger status

5. Show logged data as table

Address 01 CPH6200-S1
CPH6200-S1 V6.4

Instrument | Recordings | **Data** | Comment | Alarm

Data Sets: 39
first: 12.11.2018, 15:39:23
last: 12.11.2018, 16:17:23

| nr | Date | Time | 1: Relative Pressure [bar] | 2: Relative Pressure Min [bar] | 3: Relative Pressure Max. [bar] |
|----|------------|----------|-------------------------------|-----------------------------------|------------------------------------|
| 1 | 12.11.2018 | 15:39:23 | -0,31 | -0,32 | 18,96 |
| 2 | 12.11.2018 | 15:40:23 | -0,31 | -0,31 | -0,31 |
| 3 | 12.11.2018 | 15:41:23 | -0,31 | -0,31 | -0,31 |
| 4 | 12.11.2018 | 15:42:23 | -0,31 | -0,31 | -0,31 |
| 5 | 12.11.2018 | 15:43:23 | -0,31 | -0,31 | -0,31 |
| 6 | 12.11.2018 | 15:44:23 | -0,31 | -0,31 | -0,31 |
| 7 | 12.11.2018 | 15:45:23 | -0,31 | -0,31 | -0,31 |
| 8 | 12.11.2018 | 15:46:23 | -0,31 | -0,31 | -0,31 |
| 9 | 12.11.2018 | 15:47:23 | -0,30 | -0,30 | -0,30 |
| 10 | 12.11.2018 | 15:48:23 | -0,31 | -0,31 | -0,31 |
| 11 | 12.11.2018 | 15:49:23 | 0,31 | 0,31 | 0,31 |

11:40 Uhr | 02.01.2019 | COM4

6. Presettings of the graph

Create New Diagram

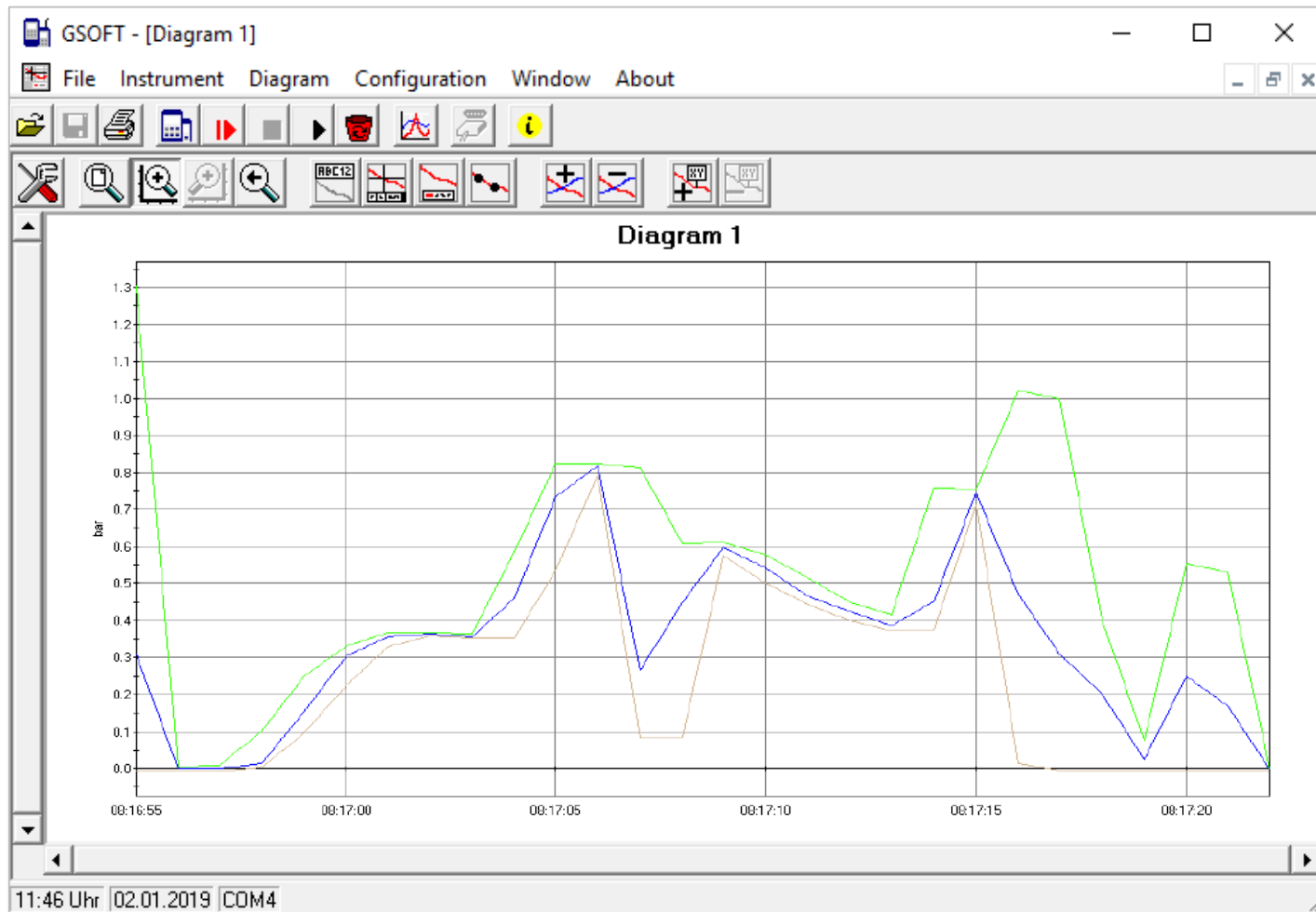
Name: Diagram 1

| Datalogger | Channel |
|-----------------------|---|
| Address 01 CPH6200-S1 | <input checked="" type="checkbox"/> 1: Relative Pressure [bar] |
| | <input checked="" type="checkbox"/> 2: Relative Pressure Min [bar] |
| | <input checked="" type="checkbox"/> 3: Relative Pressure Max. [bar] |

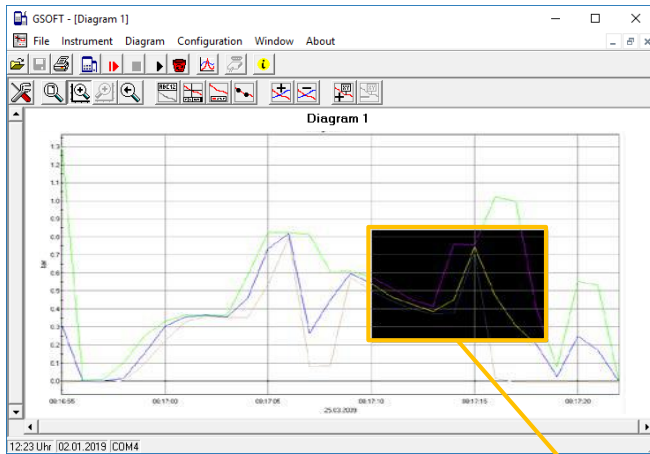
Ok
Cancel

Confirm the settings

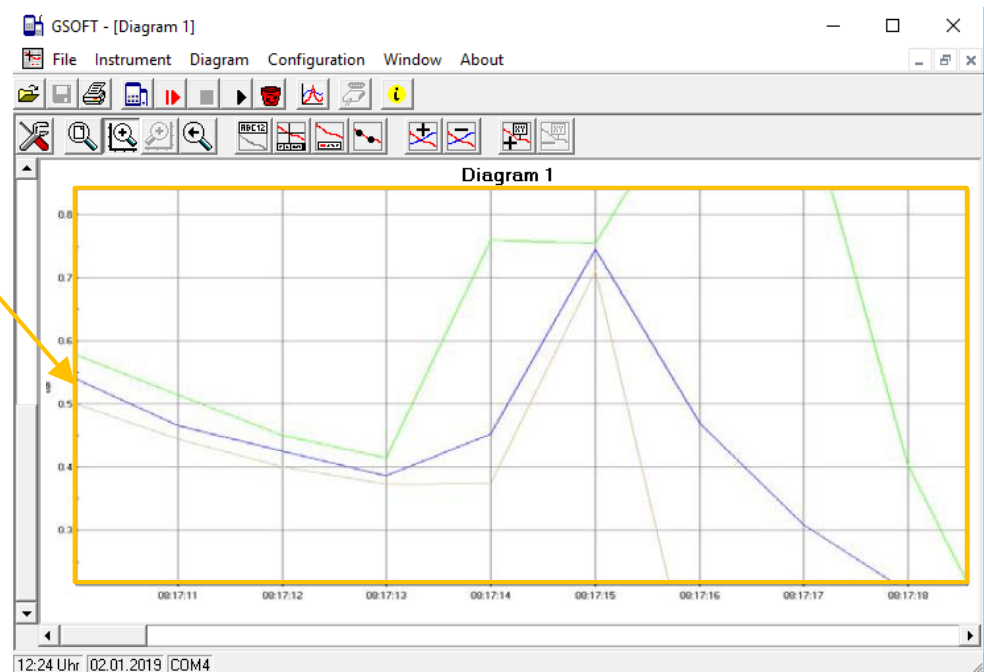
7. Show logged data as graph



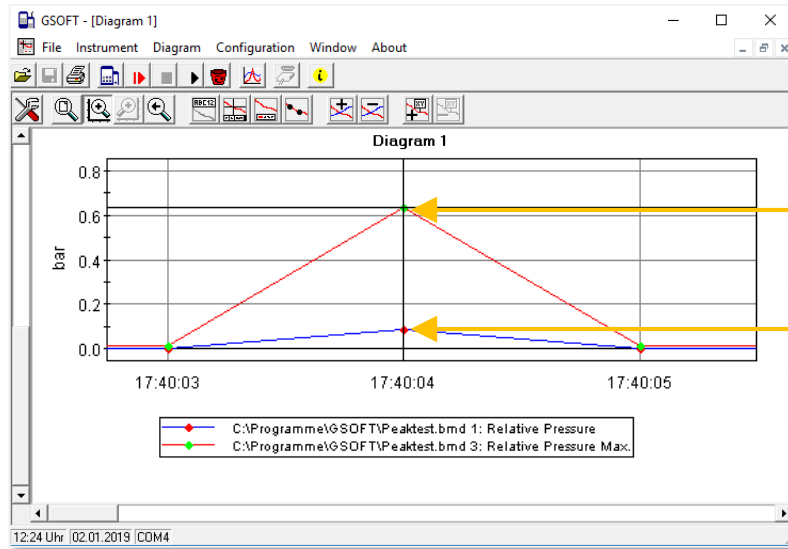
8. Zoom function



After marking an area with the left mouse button, the zoomed graph will be shown.

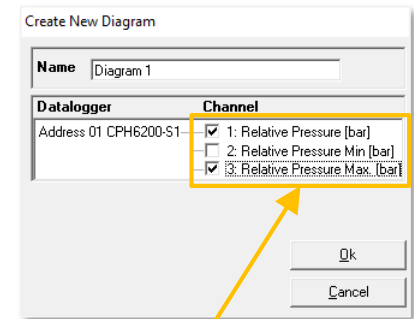


9. Peak detection via Min/Max memory



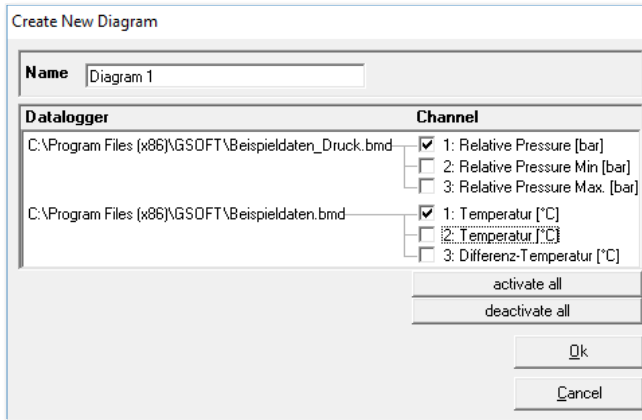
Peak in the time span between 17:40:03 and 17:40:04

Current measurement at 17:40:04

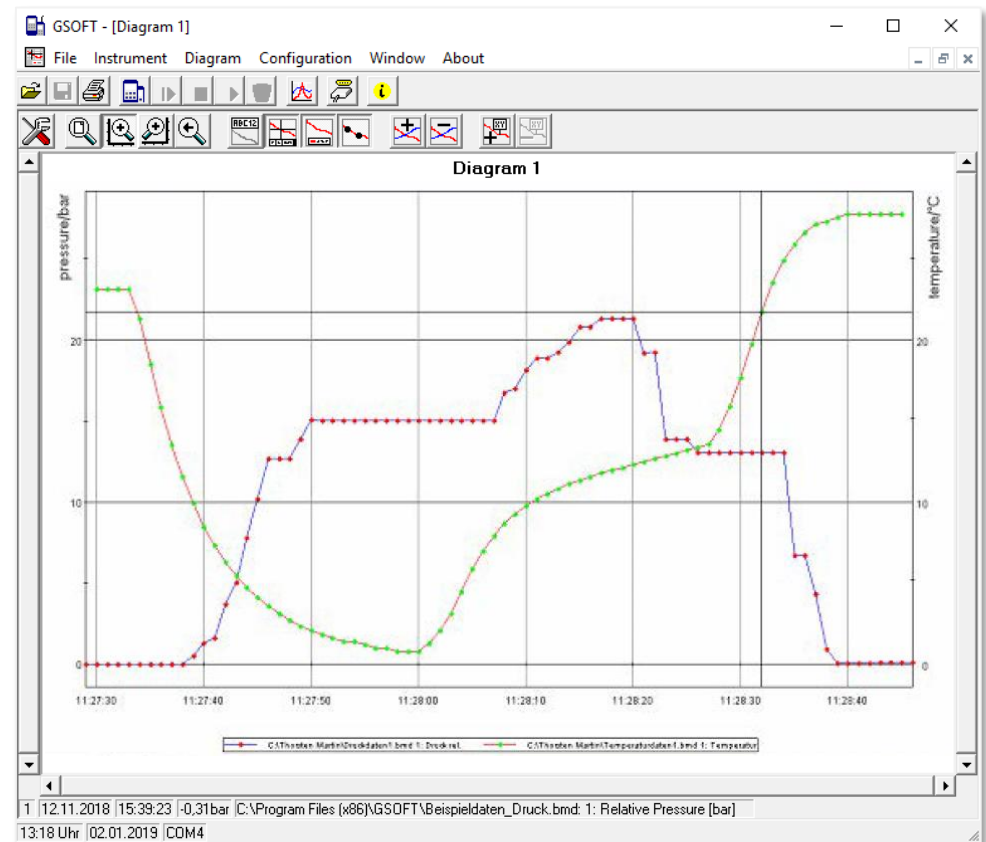


- In addition to the current measured value, the Min/Max values can be stored and shown in the graph as well (Select via the „Create New Diagram“ screen)
- The example above shows, in the time span between 17:40:03 and 17:40:04 a peak of about 0.64 bar which will be read out and shown in the graph parallel to the current measured data of the time 17:40:04

10. Presentation of pressure and temperature data in one graph



Both data (pressure and temperature) have to be stored as 2 files, thus both files can be opened and shown in one diagram

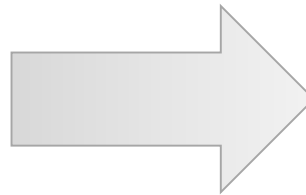


11. Copy and paste of logged data

Adresse 01 CPH6200-S1
CPH6200-S1 V6.4
Gerät | Aufzeichnungen | Daten | Kommentar | Alarm

Datensätze 39
von 12.11.2018, 15:39:23
bis 12.11.2018, 16:17:23

| nr | Datum | Zeit | 1: Druck rel. [bar] | 2: Minimaldruck rel. [bar] | 3: Maximaldruck rel. [bar] |
|----|------------|----------|---------------------|----------------------------|----------------------------|
| 1 | 12.11.2018 | 15:39:23 | -0,31 | -0,32 | 18,96 |
| 2 | 12.11.2018 | 15:40:23 | -0,31 | -0,31 | -0,31 |
| 3 | 12.11.2018 | 15:41:23 | -0,31 | -0,31 | -0,31 |
| 4 | 12.11.2018 | 15:42:23 | -0,31 | -0,31 | -0,31 |
| 5 | 12.11.2018 | 15:43:23 | -0,31 | -0,31 | -0,31 |
| 6 | 12.11.2018 | 15:44:23 | -0,31 | -0,31 | -0,31 |
| 7 | 12.11.2018 | 15:45:23 | -0,31 | -0,31 | -0,31 |
| 8 | 12.11.2018 | 15:46:23 | -0,31 | -0,31 | -0,31 |
| 9 | 12.11.2018 | 15:47:23 | -0,30 | -0,30 | -0,30 |
| 10 | 12.11.2018 | 15:48:23 | -0,31 | -0,31 | -0,31 |
| 11 | 12.11.2018 | 15:49:23 | -0,31 | -0,31 | -0,31 |
| 12 | 12.11.2018 | 15:50:23 | -0,31 | -0,31 | -0,31 |
| 13 | 12.11.2018 | 15:51:23 | -0,31 | -0,31 | -0,31 |
| 14 | 12.11.2018 | 15:52:23 | -0,31 | -0,31 | -0,31 |
| 15 | 12.11.2018 | 15:53:23 | -0,31 | -0,31 | -0,31 |
| 16 | 12.11.2018 | 15:54:23 | -0,31 | -0,31 | -0,31 |
| 17 | 12.11.2018 | 15:55:23 | -0,30 | -0,30 | -0,30 |
| 18 | 12.11.2018 | 15:56:23 | -0,31 | -0,31 | -0,31 |
| 19 | 12.11.2018 | 15:57:23 | -0,30 | -0,30 | -0,30 |
| 20 | 12.11.2018 | 15:58:23 | -0,30 | -0,30 | -0,30 |
| 21 | 12.11.2018 | 15:59:23 | -0,31 | -0,31 | -0,31 |
| 22 | 12.11.2018 | 16:00:23 | -0,30 | -0,30 | -0,30 |
| 23 | 12.11.2018 | 16:01:23 | -0,30 | -0,30 | -0,30 |
| 24 | 12.11.2018 | 16:02:23 | -0,31 | -0,31 | -0,31 |
| 25 | 12.11.2018 | 16:03:23 | -0,31 | -0,31 | -0,31 |
| 26 | 12.11.2018 | 16:04:23 | -0,31 | -0,31 | -0,31 |
| 27 | 12.11.2018 | 16:05:23 | -0,30 | -0,30 | -0,30 |
| 28 | 12.11.2018 | 16:06:23 | -0,30 | -0,30 | -0,30 |
| 29 | 12.11.2018 | 16:07:23 | -0,30 | -0,30 | -0,30 |
| 30 | 12.11.2018 | 16:08:23 | -0,30 | -0,30 | -0,30 |
| 31 | 12.11.2018 | 16:09:23 | -0,30 | -0,30 | -0,30 |



Mappe1 - Excel

nr

| nr | Datum | Zeit | 1: Druck rel. [bar] | 2: Minimaldruck rel. [bar] | 3: Maximaldruck rel. [bar] |
|----|------------|----------|---------------------|----------------------------|----------------------------|
| 1 | 12.11.2018 | 15:39:23 | -0,31 | -0,32 | 18,96 |
| 2 | 12.11.2018 | 15:40:23 | -0,31 | -0,31 | -0,31 |
| 3 | 12.11.2018 | 15:41:23 | -0,31 | -0,31 | -0,31 |
| 4 | 12.11.2018 | 15:42:23 | -0,31 | -0,31 | -0,31 |
| 5 | 12.11.2018 | 15:43:23 | -0,31 | -0,31 | -0,31 |
| 6 | 12.11.2018 | 15:44:23 | -0,31 | -0,31 | -0,31 |
| 7 | 12.11.2018 | 15:45:23 | -0,31 | -0,31 | -0,31 |
| 8 | 12.11.2018 | 15:46:23 | -0,31 | -0,31 | -0,31 |
| 9 | 12.11.2018 | 15:47:23 | -0,3 | -0,3 | -0,3 |
| 10 | 12.11.2018 | 15:48:23 | -0,31 | -0,31 | -0,31 |
| 11 | 12.11.2018 | 15:49:23 | -0,31 | -0,31 | -0,31 |
| 12 | 12.11.2018 | 15:50:23 | -0,31 | -0,31 | -0,31 |
| 13 | 12.11.2018 | 15:51:23 | -0,31 | -0,31 | -0,31 |
| 14 | 12.11.2018 | 15:52:23 | -0,31 | -0,31 | -0,31 |
| 15 | 12.11.2018 | 15:53:23 | -0,31 | -0,31 | -0,31 |
| 16 | 12.11.2018 | 15:54:23 | -0,31 | -0,31 | -0,31 |
| 17 | 12.11.2018 | 15:55:23 | -0,3 | -0,3 | -0,3 |
| 18 | 12.11.2018 | 15:56:23 | -0,31 | -0,31 | -0,31 |
| 19 | 12.11.2018 | 15:57:23 | -0,3 | -0,3 | -0,3 |
| 20 | 12.11.2018 | 15:58:23 | -0,3 | -0,3 | -0,3 |
| 21 | 12.11.2018 | 15:59:23 | -0,31 | -0,31 | -0,31 |
| 22 | 12.11.2018 | 16:00:23 | -0,3 | -0,3 | -0,3 |
| 23 | 12.11.2018 | 16:01:23 | -0,3 | -0,3 | -0,3 |
| 24 | 12.11.2018 | 16:02:23 | -0,31 | -0,31 | -0,31 |
| 25 | 12.11.2018 | 16:03:23 | -0,31 | -0,31 | -0,31 |
| 26 | 12.11.2018 | 16:04:23 | -0,3 | -0,3 | -0,3 |

Marking data in the table and copy it by using 'Ctrl' + 'C'

Paste copied data into an Excel®-file by using 'Ctrl' + 'V'

12. Contact

Contact details for purchase orders, quotation or any technical questions:




Part of your business

Customer Support
Calibration & Service
Process Instrumentation

WIKAL Alexander Wiegand
SE & Co. KG
Alexander-Wiegand-Strasse 30
63911 Klingenberg
Phone +49 9372 132-5015
CTSales@wika.com

www.wika.de



vCard

