Up and Running with bioMON software

Installation
For installation run setup.exe which will guide you through the setup process.

Permanent improvement of this software is ongoing. In order to keep you updated the program expires after 100 days past installation. Get a free update from info@jobst-technologies.com
In the left lower corner of the splash screen you see the left use time.

Uninstallation of the program is simply done at Windows-Settings/Software.

You access the program from the Windows Start menu at /Programs/bioMON/bioMON (or at a different location if chosen during installation).
The program itself (bioMON.exe),
the hardware definition files (*.def),
the graphing initialization files (*.ini),
the script files (*.sct),
the advanced data files (*.adf), and
the log files with the acquired data (*.txt),
are located (typically) in the folder c:\program files\bioMON\

Conventions and concepts
BioMON software is intended to be used with Jobst Technologies data acquisition devices.

- At startup you are asked to open an *.INI file (Open INI file) which contains information on how to chart the acquired data.

- Check if all the connected potentiostates were found by the program
  (message at the Splash Screen; Main Screen status bar; or in the Hardware Settings menu)

- If they were not found check the cabling and –
  Start a new hardware search by clicking to OPTIONS – Hardware search.

- The hardware search turns each found potentiostates to the last used polarization as also
indicated in the main screens status bar.

- Close a graph by simply pressing the windows close button.
  Add a new graph by pressing NEW GRAPH in the **Main Screen**.
  Edit **Graph Properties** by clicking on them in the **Graph Window**.

- **Open Log File** (or you will be prompted to do so when you hit the record button)

- Hit the RECORD button of the **Main Screen**.

- Now connect the sensors and start the measurement.

- Stop the measurement with the stop button.

- Close the LOG file

Finally exit the program. If you have done changes to the graph setting you will be prompted to decide on saving of the changed INI file.

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**Calculation hierarchy and Data files**

**Hardware** offset and calibration factors (as they can be entered in the **Hardware Settings** and are stored in the *.DEF files)
are applied immediately to the received data by:

Channel = ( potentiostate reading – offset ) * calibration factor

(watch out that you do not have calibration factors of 0 since you will receive 0 as channel reading !)

This data is stored in the **LOG File**. The data of all potentiostates found and all channels is stored to these files independent on if they are charted or not.

You may also import such existing LOG file into the application by FILE – IMPORT.

You may create data files representing the graphs by FILE - Export. For Data see below.

These **Exported Graph Data Files** contain the data Graph oriented with the graphs pen names and the units (nA, mM, …) in the header.

**Graphing** related calculations from **Graph Properties** are done according to:

Graph line = (channel – (difference channel * weight) – offset) / gain
Splash Screen

bioMON 2
for Win 9x, NT and 2000
Version 2.2.9
Gerhard JOBST

No Com-port potentiostate found; changing to DEMO mode !
100 days left

Options – Load INI File – and at startup

Open INI file

Main Screen
Options – Settings –

Hardware Settings
Options – Settings –

Port Settings
Message

**Different Units**

![Message](image)

FILE

**Open Log File**
File

Export Graph Data

Exporting Options