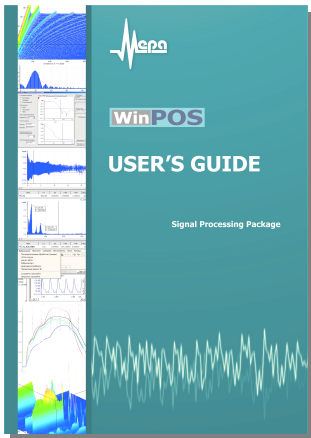## References

User's Guide

- User interface and operations of WinPOS
- Analysis of dynamic processes and vibrations
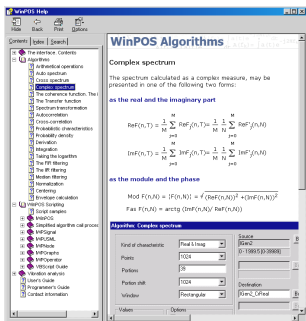- Processing algorithms: customization, mathematical description and guidelines

Programmer's Guide

- Scripts, applications and plug-ins
- WinPOS application program interface (API)
- Call of WinPOS algorithms
- Script editing and debugging

Help system

- Interface elements
- Algorithms
- WinPOS API
- On-line versions of User's and Programmer's Guide

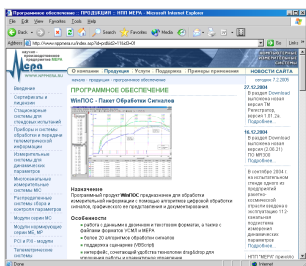Contents, Index, Search. Press <F1> or click **Help** menu item

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- RPE «MERA»: products and integrated solutions
- News, WinPOS updates

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WinPOS installation

Run the installation program from CD. Follow the setup instructions.

For troubleshooting refer to *User's Guide* Part 2. *WinPOS installation*).
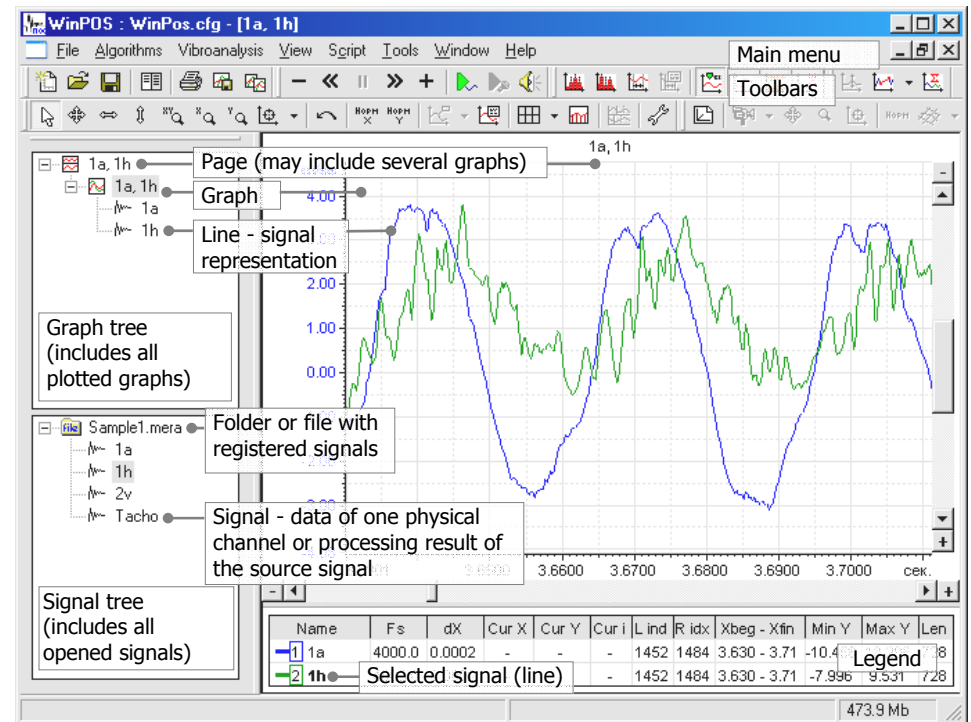
Connecting the dongle

Connect the USB- or LPT-dongle to the respective PC plug.

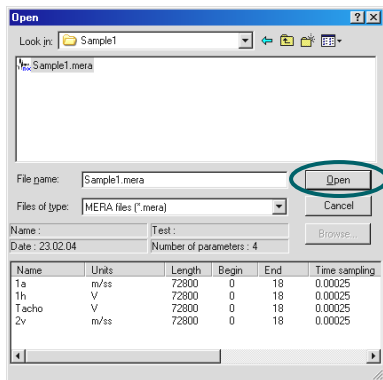Wait for the Windows message on successful installation of Guardant Stealth USB Dongle (for USB).

Running WinPOS

Run WinPOS from the desktop or through Windows **Start** menu.

Main menu

Toolbars

Page (may include several graphs)

Graph

Line - signal representation

Graph tree (includes all plotted graphs)

Folder or file with registered signals

Signal - data of one physical channel or processing result of the source signal

Signal tree (includes all opened signals)

Selected signal (line)

Legend

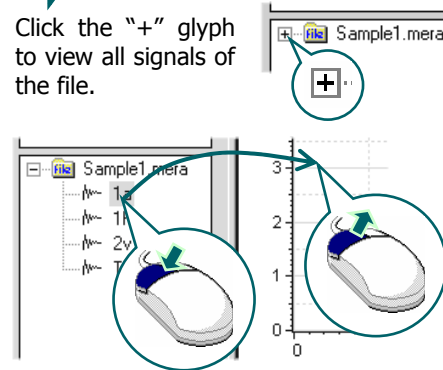## 1 Start working with WinPOS – open the file

Press 📂 button on the toolbar. Find the data file in the open file dialog and press **Open**.
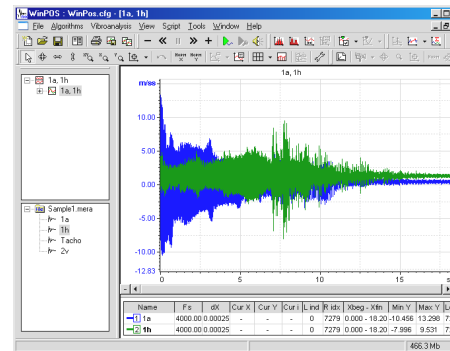

The file is placed to the signal tree

2 Plot the signal graph

Click the "+" glyph to view all signals of the file.

Copy the signal from the signal tree to the graph by mouse: press the left mouse button on the signal name, move the cursor to the graph plotting field, release the button.
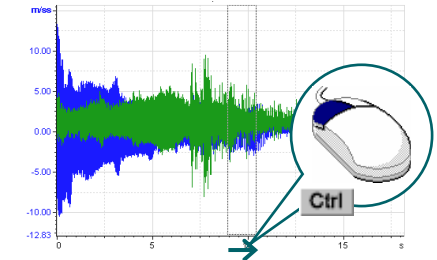
3 Add one more signal to the graph in a similar way

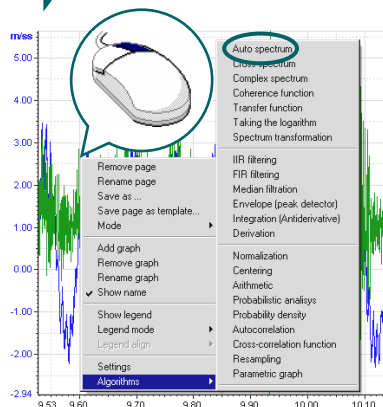WinPOS plots the graph of two signals in the common coordinate axis.

Legend below the graph shows colors, properties and current values of the signals (cursor mode).
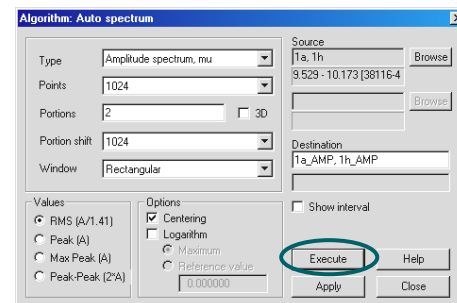
4 Select time interval for processing

Holding down the **<Ctrl>** key, press the left mouse button at abscissa of the graph, then still holding the mouse button move the curser "grabbing" the graph selected area (rectangular), then release the buttons.

5 Select the signal processing algorithm

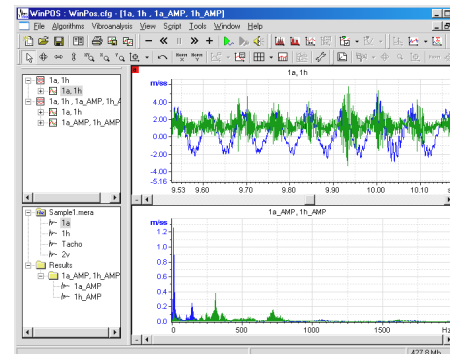Select **Algorithms→AutoSpectrum** from the graph context menu (right mouse button)**.**

6 Customize the selected algorithm

Check and change the algorithm settings, then press the **Execute** button.

The algorithm parameter description is provided in *User's Guide*, Part 9. *Signal processing*.
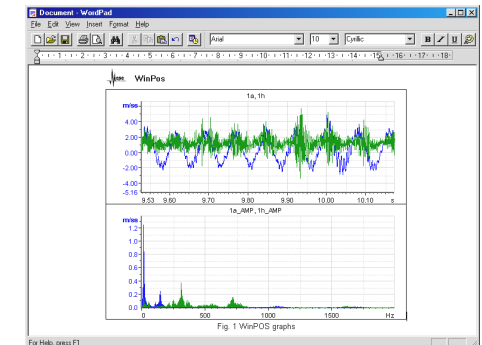
7 Review the calculation results

Top graph of a new page shows the selected source signal range, bottom graph shows the calculated results.

Double click on a graph to fit it to page size.

8 Print the page or add page to the report

Print the graph by clicking 🖨 tool button.

Copy image to clipboard by clicking 📋 tool button. Start a text editor like Microsoft Word or Wordpad. Select **Insert** item in the **Edit** menu (press **<Ctrl+V>**).