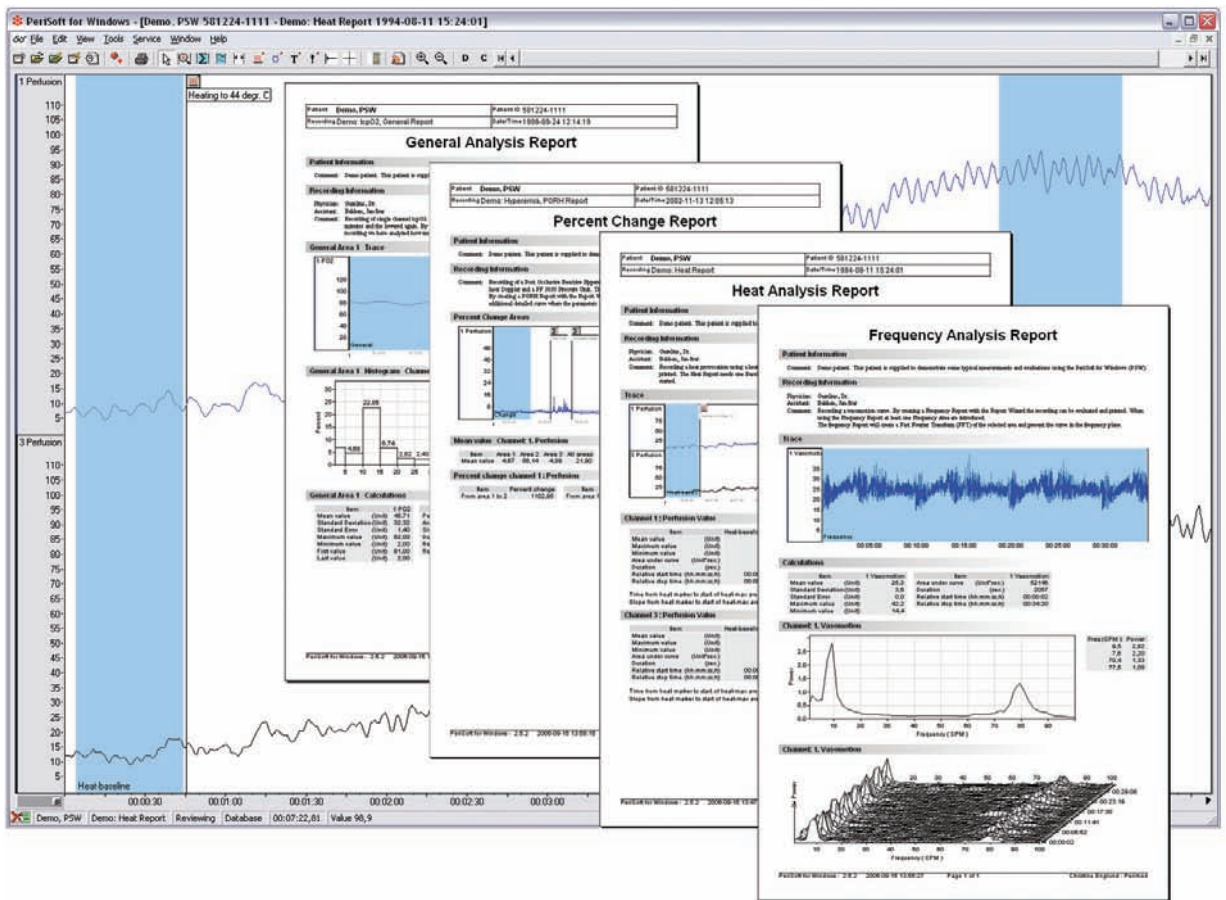


# PeriSoft for Windows

## Data Acquisition Software

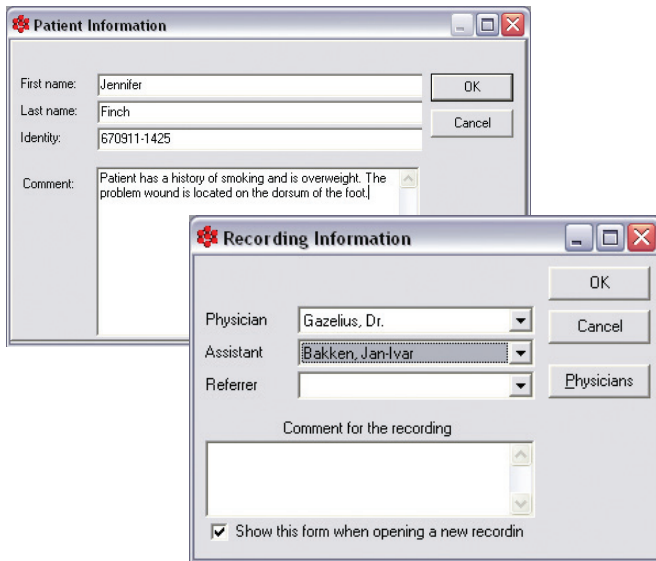
PeriSoft for Windows is a user-friendly, advanced and versatile program for data acquisition, recording and analysis.



Multi-parameter recordings from multiple instruments.  
 Customized calculations and reports for individual requirements.

## Data Management with PeriSoft

PeriSoft for Windows (PSW) can record, analyze and print data from Perimed's wide range of PeriFlux instruments and other similar equipment. PSW is used in both clinical settings and research laboratories. The program is user-friendly and is especially suited for the clinical environment, yet advanced enough for the most demanding researcher.



Patient- and recording information in PSW.

## Record, Store and Analyze Data

PSW can record, store and analyze hundreds of channels of data from any number of instruments. Perimed's PF 3, PF 4001 and System 5000 instruments can be connected via the serial or USB port(s). Multiple instruments are connected by using separate ports. Other instruments with analog outputs can be connected via the PF 472 A/D Converter Box.

## User-Friendly, Advanced, Versatile

PSW is easy to use and can be customized to meet individual requirements. Reports include patient information, recording information, calculations, notes and graphics. During recording, markers can be added for extra information and identification of events. Alarm lines initiate an alarm if the signal is below or above a set level. On screen, the channels are color-coded for easy site identification. The simultaneous preview function allows the user to analyze the data while recording.

Using the script wizard, it is possible to design customized measurement procedures. The script controls the time schedule and events during the recording, instructs the operator when an action is required, and creates a report at the end of the procedure.

## Reports

Reports, including graphical data and calculated values, can be viewed on screen, exported to other applications, and printed. Reports can be customized and can include traces, a table of calculations specific for the report, and comments. Most reports include maximum and minimum, area under curve, duration, and start and stop time. The current reports types available are:

### General Analysis Report

For calculating values in a selected section of the recording. Available calculations include mean, maximum, minimum, standard deviation, standard error, first value, last value, percent change, slope and response time.

### Percent Change Report

For comparing the mean values of different sections in a recording. Used for evaluating changes, for example after a provocation.

### Frequency Analysis Report

For measuring the frequency content of a section of the recording. The frequencies are printed in two dimensional and three dimensional Fast Fourier Transform (FFT) diagram.

### Heat Analysis Report

The perfusion change after local heating (e.g. 44°C) is a measure of the tissue reserve capacity. The report includes calculations of mean values before and after heating, percent change, and slope and time from heat-start to max area.

### Post Occlusive Reactive Hyperemia Report

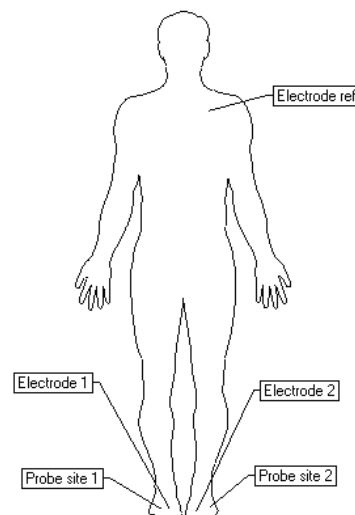
The report is used for the study of the microcirculatory perfusion response to an occlusion. Time, area, and flow parameters related to the occlusion and hyperemia are calculated.

### Linear Pressure Deflation Report

For determining the peripheral pressures in toes, ankles, arms or fingers. The return of the blood flow is automatically detected, and the blood pressure values at the points of recovery are presented in a table.

### Probe Placement Diagrams

Probe placement diagrams can be included in the reports. Your own bitmap images can easily be added.



## Data Export

The reports can be exported to MS Word® or MS Excel®. Detailed data can be saved as an ASCII file, exported to MS Excel®, or copied to the clipboard.

## Demo Copy

A CD-ROM demo of PSW is available. Please contact Perimed for more information.

A PC with Windows 2000/XP, minimum 256 MB RAM memory and 800 MHz processor is recommended.