Weisang FlexPro Training Courses – Become a FlexPro expert now

FlexPro

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Introduction and Training Overview

The Weisang GmbH training courses give you hands-on experience using FlexPro straight from the source. Qualified developers and engineers with direct insight into the development of FlexPro conduct the training courses.

Training structure and materials

All training courses are based on selected tutorials (**learning by doing**) to convey the subject matter in the best way possible using practical examples. We provide you with specially prepared course material that includes the tutorials taught during the training and includes numerous additional illustrated exercises for further study. The training script and exercise data are provided in digital form. If you book a classroom training, the training script will also be handed out in printed form. The training is always adapted to the current major release of FlexPro. We will confirm your participation with a certificate.

General information

The following table contains general information on FlexPro training courses.

Language	Trainings available in German, English or French
Training sites	Weisang GmbH (St. Ingbert) training center, at the customer's location or online
Registration	Register conveniently via our website at www.weisang.com/en/training

Training opportunities

Weisang GmbH offers the following FlexPro training courses (see following pages for details):

Beginner

FlexPro Basic Course (2 days)

Advanced

FlexPro Advanced Course (2 days)

Workshops und Application Development

We also offer user-specific FlexPro Workshops. In the FlexPro Workshop, the instructor works with the user to address individual, project-related topics and develops customized solutions and analysis templates.

Do you have something in particular that you want to learn about, a particular task or other requirements? We can provide you with **custom, turnkey applications** (such as for fully automated report creation) based on our FlexPro and HistoryBase software products.

Our course delivery modes

When, where and how would you like to participate in a course? Weisang offers you optimal flexibility!

Individual Appointments

Our individual appointments are flexibly tailored to your requirements. Simply let us know your preferred date. Our FlexPro experts will carry out the desired training at your office, at the Weisang training center or at a different location.

Fixed Dates

We offer our FlexPro basic and advanced courses on fixed dates throughout the year. Take part on site at our training center in St. Ingbert or remotely from your office. The fixed course dates are only available in German.
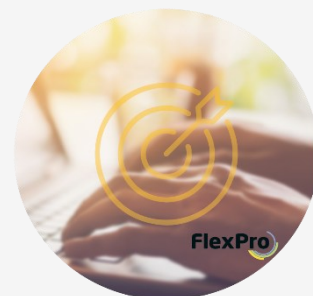
E-Learning

Get access to our FlexPro self-training: videos and course materials to help you learn the basics of FlexPro on your own.

E-learning documents are only available for the FlexPro Basic Course.

Are you new to FlexPro?

In our YouTube videos, we show you the many possibilities that FlexPro offers you for analyzing measurement data.

Watch videos now →

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FlexPro Basic Course

Training Course	FlexPro Basic Course
Course length	2 days (8 hours per day including breaks, usual time period from 8:30 AM CET to 4:30 PM CET)
Number of participants	Up to 8 (recommended). More than 8 registrants possible by arrangement.
Prerequisites	Basic proficiency in Microsoft Windows is required. Prior knowledge of FlexPro and programming skills are not required.

Description and targets

FlexPro is the powerful, intuitive software application for analyzing and presenting your data and excels particularly well in analyzing dynamic processes.

The FlexPro Basic Course is intended for any user who is interested in using FlexPro as an interactive tool for analyzing and presenting data. You will receive an overview of the FlexPro functionalities, learn how to use the basic features, and discover how you can easily automate analyses created with FlexPro and reuse them as templates.

The basic course is particularly suited to all new FlexPro users.

Training objectives

The basic course covers the following topics:

General information (day 1)
- General overview and information on how to work with FlexPro: functionality, basic user interface and control elements

Importing and managing data (day 1)
- Importing files from measurement devices
- Importing text data. Special focus: create individual text import filters and save them as template
- Channel selection and import scheme
- Import variants

Data presentation and visual analysis (day 1)
- Data visualization
- Using cursors, markers and the Coordinates Window to visually analyze data

- Designing custom diagrams and saving them as templates

- Presenting data in diagrams, tables, worksheets and documents

- Managing templates for diagrams, tables and documents

Data analysis (day 2)

- Mathematical analysis using the Analysis Wizard and Analysis Objects. No programming is required for this. For example, some of the following analysis functionalities may be covered. The selection depends on the interests of the participants:

  - Signal smoothing with a moving average

  - Analysis object event isolation

  - Resampling data sets

  - Linear approximation of discrete data sets

  - Synchronize measurement data

- Introduction to the FPScript analysis language to create simple computational formulas

- Exporting results

Measurement series evaluations with data query and document collection (day 2)

- Introduction to the use of the data query to search for and gather data

- Insight into the document collection for the generation of measurement series reports

Introduction to automating processes (day 2)

- Structure and organization of an analysis created with FlexPro

- Creating simple reports and analysis templates

- Saving and reusing analyses as templates

Further recommended training courses

To learn about additional FlexPro features, in particular analyses based on **FPScript** and how to create **test series analyses**, we recommend taking the **FlexPro Advanced Course**.

It is also advisable to book a **FlexPro Workshop** in order to deepen the techniques and methods learned in the basic course and apply them to your own analyses and evaluations.

Registration options and dates

All information on the current dates and the registration form can be found on our website at www.weisang.com/en/training/flexpro-basic-course

FlexPro Advanced Course

Training Course	FlexPro Advanced Course
Course length	2 days (8 hours per day including breaks, usual time period from 8:30 AM CET to 4:30 PM CET)
Number of participants	Up to 8 (recommended). More than 8 registrants possible by arrangement.
Prerequisites	Basic proficiency using FlexPro or participation in the FlexPro Basic Course. Interest in FPScript (this is the FlexPro script language). Basic experience using FPScript is an advantage, but not necessary.

Description and targets

The FlexPro Advanced Course is intended for any user who wants to become familiar with the advanced features of FlexPro and FPScript, and covers a number of practical application examples in particular.

FPScript is a very easy script language to learn which you can use to program your own analyses in FlexPro. With the help of practical tutorials you will learn how to implement FPScript effectively, create your own analyses based on FPScript and use them as templates. Another main focus of the advanced course is on developing and creating test series analyses.

The course is therefore suited for any user who is interested in the advanced features of FlexPro and FPScript, including how to develop test series analyses.

Training objectives

This course covers the following topics:

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FPScript - Theory and applications (day 1)

- Basics of FPScript

- Concepts and features of FPScript

- Data types in FlexPro

- Data structures in FlexPro

- Access to data and object properties

- Unit Manager

- FPScript statements and loops

- Generate data sections with FPScript

- Lists in analysis objects and FPScript

FPScript – Practical applications (day 1)

The focus is on working on practical issues. FPScript and, if necessary, VBA are used to extend the basic functions of FlexPro.

- Text import and unit correction

- Channel selection filter and renaming of data sets

- Display of signals with gaps

- Define data range using markers and cursors

- Read out frequency lines in time-frequency spectra using the cursors

- Curve dimensioning with FPScript

Test series analyses in FlexPro (day 2)

Using practical tutorials, this part of the course covers all possibilities for the creation of test series analyses:

- Signal scaling with FPScript

- Linking long-term measurements with the data query

- Analysis of measurement

- Analysis across all measurements

FlexPro full automation (day 2)

- Creating panels, controls, and dashboards directly in FlexPro to automate reporting without programming in Visual Basic for Applications (VBA)

- On request: Introduction to FlexPro automation with VBA using various case studies

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Further recommended training courses

We recommend booking a FlexPro Workshop in order to deepen the techniques and methods learned in the advanced course and apply them to your own analyses and evaluations.

Registration options and dates

All information on the current dates and the registration form can be found on our website at www.weisang.com/en/training/flexpro-advanced-course

FlexPro Workshop

Training Course	FlexPro Workshop
Course length	Varies (by arrangement). 1 day workshop corresponds to 8 h including breaks (usual time period from 8:30 AM CET to 4:30 PM CET)
Number of participants	Varies (by arrangement)
Prerequisites	Varies (by arrangement)

Description and targets

We also offer user-specific **FlexPro Workshops**. In the FlexPro Workshop, the instructor works with the user to address individual, project-related issues and develops customized solutions and analysis templates.

If required, the automation of FlexPro using Visual Basic for Applications (VBA) is also discussed in order to develop your own analysis-specific dialog boxes and user interfaces.

Registration options

All information can be found on our website at
www.weisang.com/en/training/flexpro-workshop

Application Development

Description

Do you have something in particular that you want to learn about, a particular task or other requirements? Are you looking for an experienced, reliable partner for custom data acquisition and analysis solutions? Then you are in good hands. We develop custom, turnkey applications based on our FlexPro and HistoryBase software products.

Your requirements, our expertise as a software developer and the open interfaces of our software components form the basis of your high quality custom application solution provided at an affordable price and delivered when you need it.

The source code is also included upon request. The user can use the code as a template for learning and for extending the project.

HistoryBase – the core application of your data

We have the ideal solution for data acquisition and presentation projects: HistoryBase, our centralized ring buffer database. This system ingeniously solves the tasks of decentralized data acquisition and presentation, management of meta data, preparation of time series and maintenance-free data backup.

FlexPro – flexible and adaptable

Our data analysis solutions turn the FlexPro dynamic object structure to your advantage. The result is a robust solution that is easy to maintain and expand, using FlexPro as the standard tool. For this, we use the interfaces to your data acquisition systems to create fully automated applications: from data acquisition to reporting.

Are you interested in learning more? We would be happy to assist you. Contact us to discuss your options.

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Important information

Registration

Prior written registration is required for all training courses. We require the contact information of each participant for organizational purposes. Weisang assures its customers and all other persons that their contact information will be treated confidentially and will never be given, transferred or sold to third parties in any way.

Cancellation

If you **cancel** your participation, the following conditions apply:
No fee will be charged up to 29 days before the start of the event. If you cancel between 28 and 14 days before the start of the event, 20% of the participation fee will be charged. If you cancel between 13 and 8 days before the start of the course, 50% of the participation fee will be charged. In the case of cancellation less than 7 days before the start of the course, 80% of the participation fee will be charged.

Cancellation must be made in writing. The full participation fee will be charged for non-appearance without prior written cancellation.

Right of modification

Weisang reserves the right to cancel or change training dates for important reasons. If a training course has to be canceled by Weisang, no further claims can be made against Weisang beyond reimbursement of the participation fees.

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