

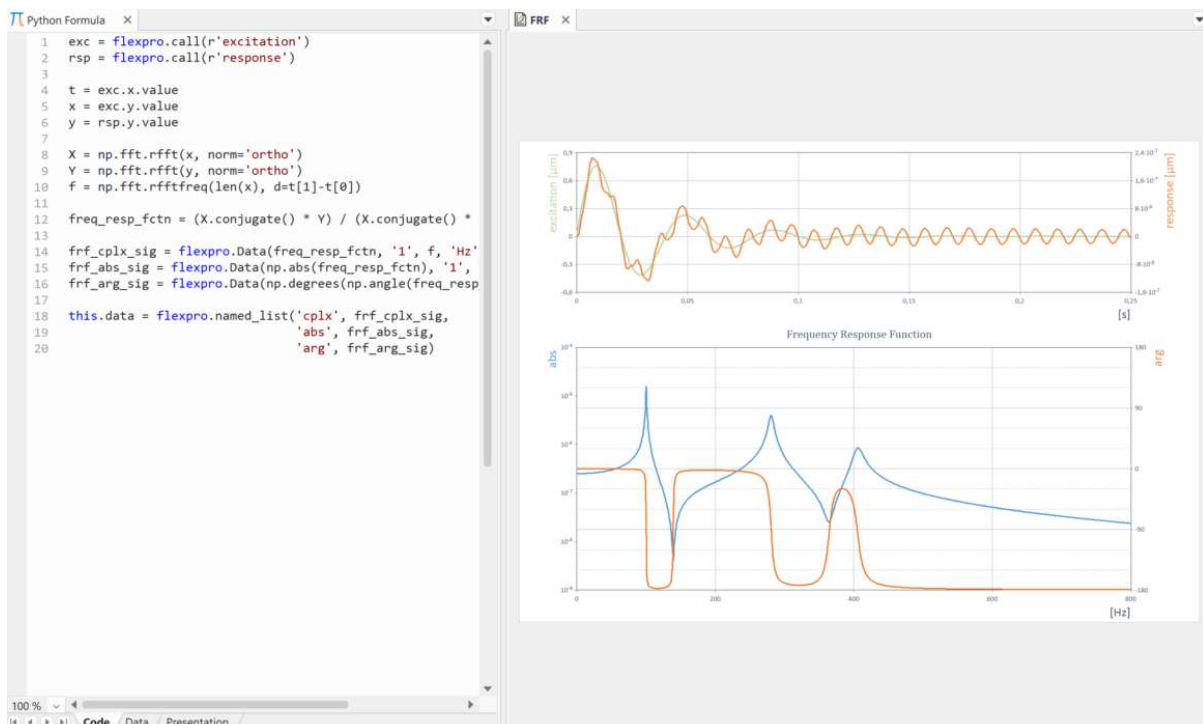
## New Features in FlexPro 2025

FlexPro 2025 introduces numerous innovations that elevate your data analysis capabilities. A standout feature is the integration of the Python programming language, allowing you to leverage extensive libraries and explore innovative solutions in machine learning and artificial intelligence.

### NEW: New Python Integration

The seamless integration of Python is a key highlight of FlexPro 2025. This provides you access to one of the world's most popular programming languages along with the support of a globally active user community. With Python, you can tap into a variety of powerful libraries for your analyses, unlocking exciting new opportunities in machine learning and artificial intelligence.

- Integrate Python directly into FlexPro: You can now create Python formulas in addition to FPScript formulas and use them like any other object within FlexPro.
- Maximum flexibility: Enjoy the freedom to incorporate any Python functions directly into your FPScript formulas.
- Unlimited possibilities with your Python modules: Access a vast array of modules from your own Python installation to develop customised solutions, enhancing the power of your data analysis.
- Reuse Existing Python Scripts: Minimize customisation time by easily reusing already developed Python scripts, allowing for increased productivity.



## NEW: Improved Debugger

The debugger used for tracking down errors in formulas has been completely revamped. It now fully supports both FPScript and Python formulas.

- The new Call Stack window allows you to see which formulas have been executed and in what order, enabling easy navigation between code windows with a simple mouse click.
- The updated Breakpoints window shows all breakpoints set in formulas within the project database. You can deactivate or navigate to the code line of any breakpoint with a mouse click. Features such as hit counters, break conditions, and message output are useful for managing breakpoints.
- The revised Watch window allows you to view the current result and the contents of all local variables in a list. You can also add any expressions as monitors, displaying non-scalar data at the click of a button in the Data Preview window.

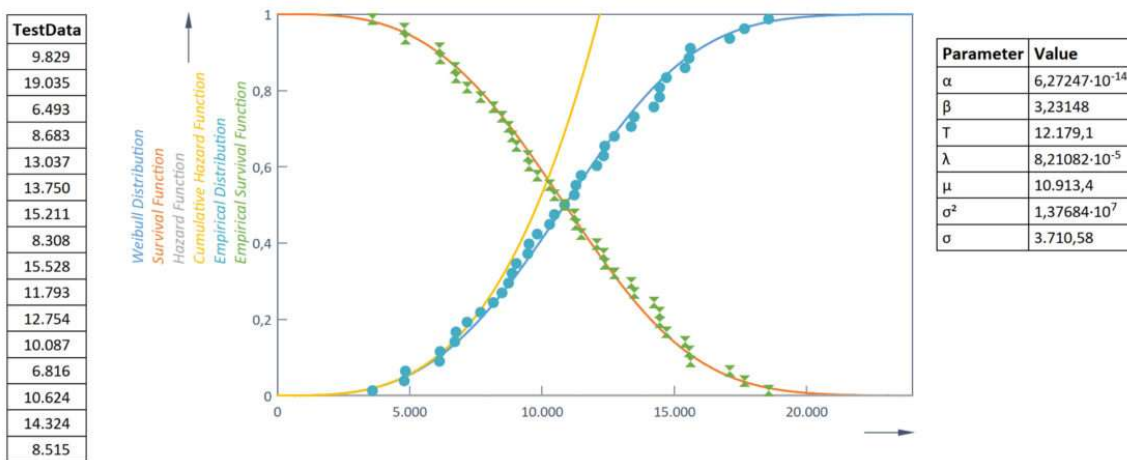
## NEW: New Project Database Functions Make Your Work Even More Convenient

Navigate effortlessly through folders in the project database with the new object list navigation bar. Save time with the new Find and Replace dialog box, enabling quick searches for text within selected objects, folders, or the entire project database.

- The new Import and Add selection option preserves existing data records in the folder while adding newly imported data records.
- Multi-channel analyses that return data sets as results are now displayed like folders in the folder window, allowing individual selection of elements from the object list.

## NEW: New Analysis Objects for Precise Service Life Forecasts and Empirical Distribution Functions (Statistics Option)

The new Lifetime Analysis object enables you to predict the lifespan of your products using the two-parameter Weibull distribution. Additionally, the Empirical Distribution analysis object allows for the calculation of the empirical distribution function for unclassified data.



## NEW: Extended Functions in Acoustics for Even More Efficiency (Acoustics Option)

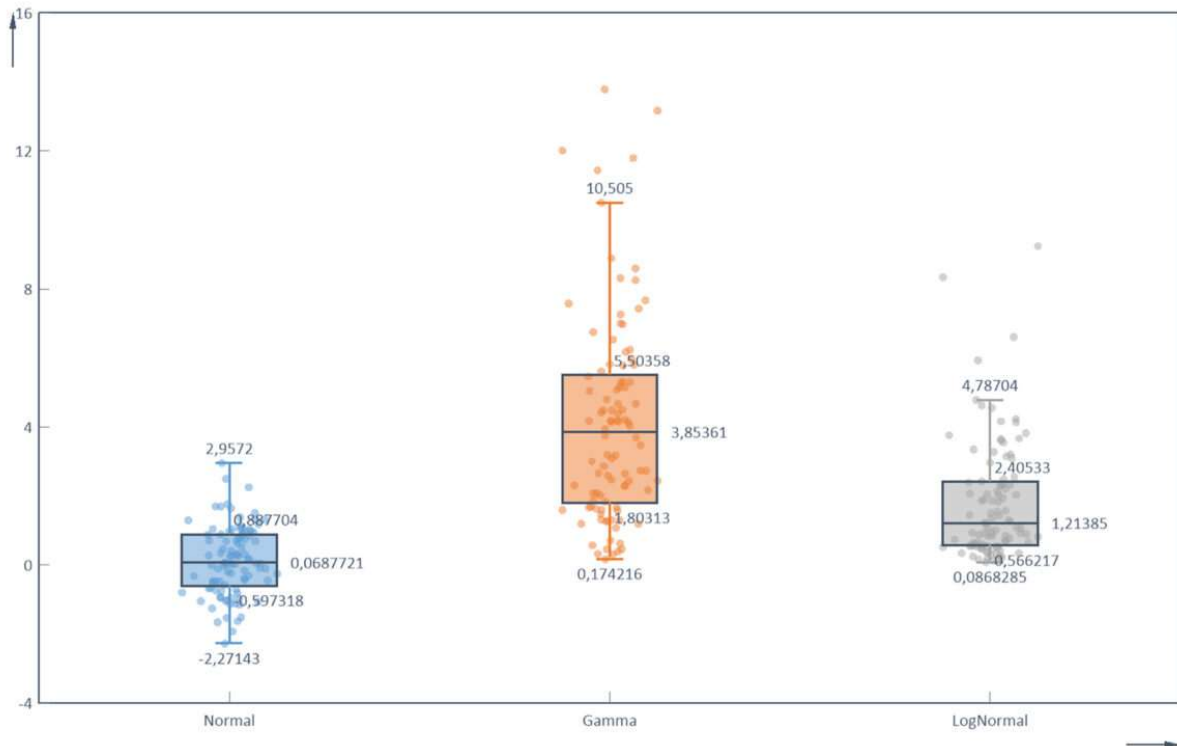
This enhancement improves the efficiency of acoustic measurement data evaluations. You can now specify whether the input data consists of voltage signals or pressure signals and choose not to apply calibration if the data is already calibrated.

## NEW: Sorting of Column and Row Table

The new Sort by Column and Row Table function provides a clearer overview of your data, allowing you to sort data from a column or row table by any selected column or row.

## NEW: Diagram Type Box Plot

With the introduction of the Box Plot diagram type, you can clearly display important robust measures of position and dispersion, including the minimum, lower quartile, median, upper quartile, and maximum values.



## FlexPro 2025 Offers You Even More:

- Undo global operations
- Undo function for value and field editing
- Undo/redo for setting, removing and designing markers
- File data linking with relative file path or file path given in a data record
- Enhanced Signal Sampling analysis object with two new data reduction methods
- Extended Signal Scaling analysis object, allowing for linear scaling of the X-component in a dataset
- Numerical parameters of analysis objects can now be specified directly using a data set reference
- Updated unit management
- New FScript functions available

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