The software that brings your instrument to life

ADVANCE is our solution-focused software which maximizes the performance and versatility of our instruments. It is designed to go the shortest way from planning measurements to obtaining reliable data and analyzing them. As a user of ADVANCE, you especially benefit from its outstanding and growing functionality as well as new standards in intuitive operability.
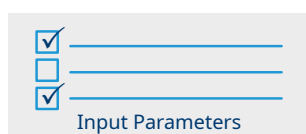
By clearly organizing the context-relevant functions in tiles and avoiding menus and pop-ups, ADVANCE eliminates unnecessary clicks and time-consuming searches for hidden elements. Easy-to-create automation programs make analyses repeatable and results user-independent. To make the measurement even more relevant for your task, results can be automatically evaluated using your preset limits. All modules can also be used in the ADVANCE touch mode with its specially optimized user interface.
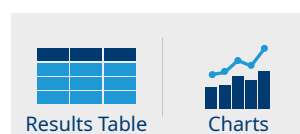
Universal Software Platform
ADVANCE

The ADVANCE principle

The operating concept of ADVANCE follows a universal workflow from preparation to evaluation on which every scientific measurement is based in principle. The software mirrors this workflow organically, thus making operation intuitive.

Input Parameters

Step 1: Preparing the measurement

Edit sample information and set parameters. Automated procedures solve even the most complex tasks in order to carry out analyses without user interference.
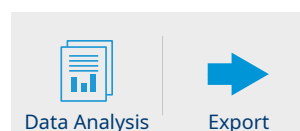
Live View | **Controls**

Step 2: Performing the measurement

Depending on the degree of automation, ADVANCE takes complete control. During the measurement, displayed raw data and images make it easy to monitor the measurement.

Results Table | **Charts**

Step 3: Reviewing results

ADVANCE shows all measuring data in clearly arranged tables and charts. Moreover, you can reanalyze data with new settings to make measurements, independent from initial decisions.

Data Analysis | **Export**

Step 4: Evaluating and exporting results

Use scientific models to calculate conclusive results and compare measurements with just a few clicks. Create comprehensive reports or export results for further processing.

Driving automation further

Prepared templates support you in performing standard tasks with powerful automations. To also master complexity, these programs can be custom-created using a versatile step-by-step logic with diverse possibilities to group or cycle the steps. To keep ease of use, this logic stays close to the instruments' functionalities without any abstract programming level.

ADVANCE WebApp

In quality control, even the most radically simplified workflow of a scientific measurement may still be too complex. The ADVANCE WebApp reduces operation to setting a sample name and clicking a button. From the browser of any computer, ADVANCE carries out the measurement remotely and responds with a clear passed or failed message for the quality check.

Automated data exports in accordance with your QC standard

Make ADVANCE compatible to your established QC routine. The highly flexible custom data field module allows you to attach data in accordance with your standard and have them exported automatically. Combined with the WebApp, the operater can – or is obliged to – enter the required information before starting the measurement.

ADVANCE API

The ADVANCE API makes interfacial analysis ready for Industry 4.0, enabling communication with other software in order to carry out extensive measurement series fully automatically.

Be up to date with the ADVANCE Software Assurance

The time for acquiring anything high-tech never seems to be right: One doesn't want to miss the next innovation step which is always imminent. ADVANCE is no exception to this rule. With at least one and usually two annual releases we continuously extend the range of functions with new powerful features. With regular upgrades in the framework of the optional ADVANCE Software Assurance you will never miss a new development and always work with the latest version.

Upgrading ADVANCE is as easy as the software itself. With no uninstallation necessary, the new version is operational within minutes. Each upgrade is compatible with any results you have collected. In many cases previous raw data can even be reanalyzed with improved algorithms or evaluated with new methods.

- One or two regular upgrades per year
- Rates are one third of full price per year
- Newly available modules are often included
- Bug fixes for the whole contract term
- No license expiration when terminating the contract