OMNIS Titration

Performance on a whole new level!

Ω Metrohm

OMNIS – a system that simply offers more

OMNIS is the new analytical system by Metrohm. OMNIS is based on a modular platform that puts the user first – always and on all levels. What does this mean, and what advantages does OMNIS offer? Find out on the following pages!

OMNIS IS AS INDIVIDUAL AS YOUR ANALYTICS AND GROWS IN ACCORDANCE WITH YOUR REQUIREMENTS.

MODULAR – BUY WHAT YOU NEED NOW AND UPGRADE LATER

A titration system that grows with your success – anytime you want, and according to your analytical needs. Hence, you need not worry about whether your system will meet your requirements in the future: With OMNIS you are always prepared for an upgrade!
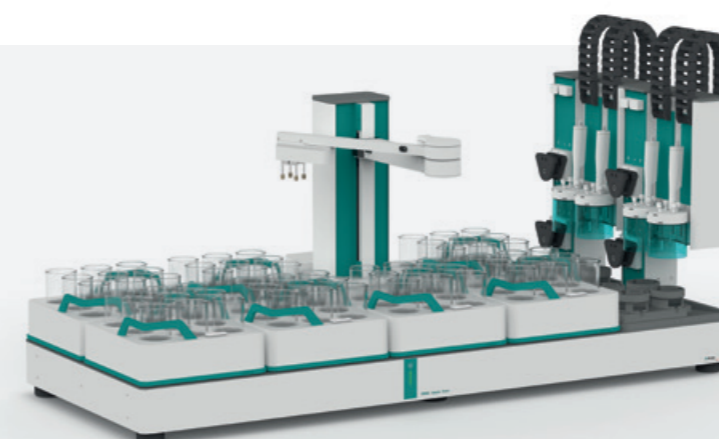
1

This is the basic module around which you can gradually build up your OMNIS analysis system: An **OMNIS Titrator** for a single titration method.

2

More applications? No problem! Add **additional Titration or Dosing Modules** to expand with additional measuring interfaces, burets or titration stands for up to 5 «ready-to-use» methods.

3

Tired of sitting in front of your titrator during analysis? Add an **OMNIS Sample Robot S** for up to two fully automated titrations performed in parallel.

4

Don't let your lab become the bottle neck for your productivity! Multiply your capacity by upgrading to a **Sample Robot M or L** for up to four parallel titrations.

Safer – a system that provides superior protection

Every reagent exchange holds a certain risk because unwanted contact with reagents cannot be excluded entirely. To minimize this risk, we have developed the OMNIS Liquid Adapter. It provides for a safe and simple connection of the reagent bottle to your OMNIS Titrator preventing any risk of accidental contact with the liquid in the bottle when exchanging the reagent.

This technology also closes the final gap in analysis traceability: With OMNIS, you can trace back completely, who connected which reagent to your system, and at what time. You could no be better prepared for the next audit!

More reliable – a system that prevents errors

Errors are frustrating, which is why it is better to prevent them in the first place. OMNIS offers a wide range of features that help you prevent errors. This makes your analytics easier and more reliable.

LEDs on all system modules clearly signal the status of your system. Green means everything is OK – a flashing red light signals an error. Your benefit: When you enter the laboratory, you will notice the condition of your system at a glance, and you can easily identify which module needs your attention.

More intelligence – more peace of mind!

Little things can make a big difference: Less manual interaction means less potential issues to worry about! Just some examples:

FULLY AUTOMATED KF TITRATION WORKFLOW

A unique feature of the OMNIS Titrator: In Karl Fischer Titration, you just have to add the sample – everything else from starting the titration, transferring the sample weight from the balance to finally conditioning or refilling the titration vessel with fresh solvent is performed fully automatically. Karl Fischer titration could not be easier and more reliable!

EXCHANGE SAMPLE RACKS DURING SYSTEM OPERATION

When working with the OMNIS Sample Robot, you do not need to worry where to place your sample racks on the system. Each rack is identified automatically, and the samples are assigned to the correct workstation for analysis. This enables a fast and safe exchange of sample racks even during system operation.

MONITORING OF CRITICAL SYSTEM COMPONENTS

Don't waste time by producing invalid results! Sensors and reagents are monitored regarding their validity or expiry dates, and their status is shown by LEDs. Even the stirring speed is corrected automatically in case the physical properties of your sample are changing!

Don't get lost in software – OMNIS puts the focus on the sample and answers all your questions at a glance

ANALYSIS STATUS
Which analyses have been completed, which are still ongoing, and which ones are yet to be performed? Has any of them been recalculated or been modified?

SAMPLE LIST AND RESULTS DATABASE
See all samples and results in one and the same view – no switching between different software windows required!

SAMPLE PROFILE
Which parameters need to be determined in my sample? All samples and their respective parameters are displayed in a complete sample profile at a single mouse click.

OUT OF SPECIFICATION?
OMNIS visualizes the status of your results and other parameters.

LIVE AND RESULT VIEW
Get all details about your titration in one window like results, live data and titration curve, or measuring point list.

SUBSAMPLE HISTORY
OMNIS is logging all events, used hardware, user interaction, and much more information in the subsample log of every single analysis.

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OMNIS Software – taking performance to the next level

Reduce errors, maximize efficiency

OMNIS SOFTWARE COMES WITH A HOST OF FUNCTIONS TO REDUCE ERRORS, SUCH AS:

- Suggestions and prompts: The software supports you in solving problems by providing concrete and context-specific suggestions.
- Visual status indicators: Colors indicate whether your analysis system is free, busy, or reserved, or if there is an issue.
- Actionable alerts: The system triggers alarms for certain events so you can stay on top of the process
- Validity checks: Be sure that the system is ready for measurement before you start.

OMNIS checks the validity of your data input

OMNIS is for everyone

OMNIS is available as a stand-alone installation or as a network-capable installation (client/server) for up to 1000 clients. Unattended operation of up to 96 hours is possible even when the server is not available. Eight supported languages (DE, EN, CN, FR, PT, ES, KR, JP) ensure everyone becomes familiar with OMNIS fast.
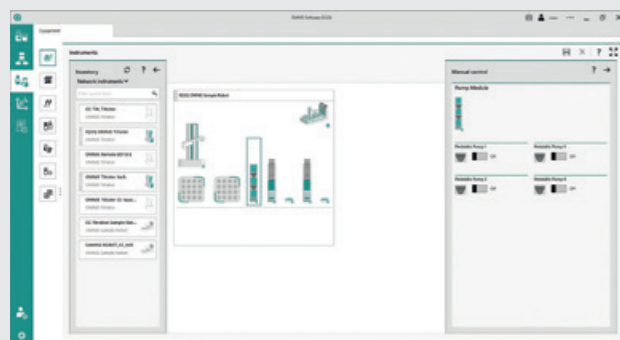
Well prepared for the regulated environment

User management, two-step signatures, comments on changes and checks for completeness and integrity of data help you meet the requirements of FDA 21 CFR Part 11 and Eudralex, Volume 4, Annex 11. Unique: It only takes one click to get all audit trail entries generated for a specific determination. The long-term support version guarantees stable and trouble-free performance for 5 years.

Making your laboratory analytics simple and efficient

Using OMNIS is intuitive: We have implemented drag-and-drop functionality so that, for example, you can easily create an operation procedure module by module: Simply select the commands you need, drag and drop them where you want them, and customize your analysis step by step.

LIMS ERP ELN

Connecting OMNIS to 3rd party software

OMNIS 3rd Party Data Integration is a secure interface enabling data exchange between OMNIS Software and any kind of 3rd party software such as LIMS, ERP, and ELN systems.

OMNIS protects your investment

All members of the latest Titrando generation and USB Sample Processors are compatible with OMNIS Software. This ensures seamless integration or a modular upgrade of your installed base with new OMNIS hardware at any time.

COMPATIBLE TITRANDO FAMILY INSTRUMENTS:

- 814 USB Sample Processor
- 815 Robotic USB Sample Processor
- 846 Dosing Interface
- 851 Titrando
- 852 Titrando
- 855 USB Robotic Titrosampler
- 856 Conductivity Module
- 867 pH Module
- 874 USB Oven Sample Processor
- 888 Titrando
- 890 Titrando
- 901 Titrando
- 902 Titrando
- 904 Titrando
- 905 Titrando
- 906 Titrando
- 907 Titrando

Integrate balances

Thanks to an extension (QApp) implemented on the balance, CUBIS® II from Sartorius has become a fully integrated member of the OMNIS platform. Be it compliance with regulatory requirements, process design, or network integration – the integration of the high-end laboratory balance from Sartorius in OMNIS meets superior standards regarding performance and usability.

Other balances can be directly connected to OMNIS software via your network or serial communication, enabling basic functionalities like automatically transferring weights.

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