

InMotion KF Autosamplers



InMotion™ KF

Flex

Pro

Put Your Lab InMotion
Precise, Efficient and Versatile

METTLER TOLEDO

Intelligence by Design

Precisely Determine Your Water

Many factors contribute to consistent, precise results when analyzing samples in the laboratory. Utilizing intelligent equipment to obtain these results is a top priority: intuitive and easy-to-use instruments ensure that the lab's data is reliable. The InMotion™ KF is designed to deliver precise results in all labs and assist with the tasks their operators must complete.



Straightforward Sample Prep

The innovative one-piece cap enables simple and fast sample preparation with less chance of chemical exposure. Just weigh your sample directly and fasten the screw cap to protect your sample from moisture and air contamination. Increase lab efficiency with less time spent preparing samples, and more time spent analyzing them.



Secure Gas Flow Control

The electronic gas flow meter allows you to control the gas flow entering the titration cell. Feel secure with the knowledge that once the flow rate is set, it cannot be changed and can be checked at a glance. This modular system adapts to the operator's workflows: the gas flow can either be generated with the air pump or controlled through the lab's own gas line with the switch valve.



One Click™ Water Analysis

The One Click user interface is optimized for direct access to routine tasks and provides clear information to the user. One unique homescreen for each user with their own shortcut buttons offers One Click access to all routine tasks. It's easy to feel right at home from the start, which reduces learning time and increases data security.



Be Precise in the Plastics Lab

The quality and usability of raw materials, intermediates and substances necessary for the manufacturing of high-grade products often depends on water content. The InMotion KF provides the great measurement performance an operator needs to precisely analyze their substances in the plastics laboratory and develop quality materials for their customers. In addition, professional application consulting is provided to ensure the right solution is developed the first time.

Put the Lab InMotion

Accelerate Your Daily Workflows

The laboratory is a busy place with a variety of tasks that must be completed daily, putting high demands on the operators and equipment. A powerful, efficient titrator which determines water accurately while improving productivity is what every operator deserves. The InMotion KF brings necessary efficiency to the lab with powerful features, providing strong, trustworthy results.



Save Precious Time

Temperature Scan speeds up sample analysis by determining its optimum heating temperature. Record the substance's heating curve and determine the optimal temperature in just a single run. When the ideal heating temperature of a substance is questionable, Temperature Scan provides the answer.



Double Efficiency in the Lab

The lab has limited space. The ability to connect up to two InMotion KFs at a time to the Titration Excellence T7 or T9 can save time, space, and money. This feature brings the function of two titrators in one with the powerful T9, and maximizes flexibility in the lab to complete everyday tasks.



Ensure Reliable Results

Extend the life of and automatically change the lab's solvents through the use of Solvent Manager. This feature provides fully flexible automation and exchanges the reagents according to operator instructions to achieve consistent and reliable results. It also improves user safety by limiting exposure to potentially dangerous chemicals.



Be Efficient in the Chemical Lab

The petrochemical laboratory requires high throughput in a demanding environment, and often with limited bench space. The InMotion KF can perform up to 120 samples per series: the user can refill the vials without stopping the instrument, thus improving productivity in the laboratory and allowing them to quickly move on to other areas of focus. The simple interface and One Click™ usability concept allows for minimal setup between series and for maximal results in every lab.

Flexibility in the Lab

A Solution as Versatile as Your Needs

Every operator has a different goal towards which they are reaching or substance they are analyzing. The InMotion KF offers a flexible solution for any industry. With the capability to measure 26 samples at a time on a smaller-than-ever platform it will fit in even the most crowded laboratory. With its ergonomic design, this instrument allows flexibility in how operators complete their workflows.



Maximize Lab Space

Less space is more when using the InMotion KF – with the ability to perform 26 samples at a time on a 25 centimeter platform lab operation will greatly improve. This functional, space saving design allows the lab to grow in terms of efficiency by testing more samples at once.



Choose Your Volume

Every lab is unique, from the solvents being mixed to the substances being tested. The InMotion KF Pro has three model options (5, 10, and 20 mL sample vials) providing a platform for every operator's needs. For the lab which has more specialized needs, custom platforms can be made available.



Flexibility in Status Reports

One glance at the status light on the top of the InMotion KF tower lets you know if your analysis is still running, needs your attention, or is ready to run more samples. Avoid user error and be productive on the go. Use LabX™ to email results or a message to let you know your analyses are finished and more samples can be loaded.



Be Versatile in the Testing Lab

In any given testing laboratory there is a multitude of substances and chemicals being tested every day. Series Sequence allows the user to queue multiple series when an InMotion KF is connected to METTLER TOLEDO's Titration Excellence line. With the use of One Click™ the operator has their samples set up for the day to test multiple substances at different temperatures and sizes.

LabX™ Software

Power Your Titration Bench

LabX Software offers a solution to connect your titrators, balances, density meters and refractometers, melting point instruments, UV/VIS, pH meters and Quantos systems – all in one place. This uniform software and interface means less training and helps to increase lab efficiency. With a unique approach, LabX allows the operator to work from either the instrument or PC or both and if required, with complete compliance.



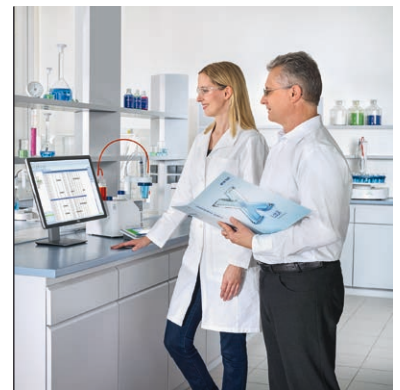
Workflow Optimization

LabX offers many tools to optimize workflow in the lab and increase efficiency. The software anticipates the different demands of users thus offering you full flexibility in the workplace. Connect your METTLER TOLEDO instruments to LabX and benefit from simplified operation, efficient modifications and tailored reports.



Methods & Series

All methods and series are stored in one database. Thus, whether the series was created in LabX or at the instrument it is always available wherever you are. LabX also simplifies sample changer operation with the transparent and easy-to-manage sample series tables.



Regulatory Compliance

The Regulation option of LabX Server provides all the necessary tools to meet the FDA regulation (21 CFR Part 11) for data management and storage. Electronic signature policies can be defined according to your standards, and all relevant actions taken at the instrument or PC are recorded in the audit trail of LabX for full traceability.



Be Compliant in the Pharmaceutical Lab

In the pharmaceutical laboratory accurate, consistent and traceable results are necessary to ensure compliancy and product safety. LabX offers full flexibility for the instrument user to begin analysis at the instrument or from the PC. Working from either location ensures full compliance with regulatory standards through the help of a sophisticated user management and release process for methods and reports.

Functionality Overview

Comparison Table



Features and Accessories		InMotion KF Flex	InMotion KF Pro
Compatible Titrators	Excellence Titrators	T7, T9	T7, T9
	Compact Titrators	C30SX, C30SD, V30S	C30SX, C30SD, V30S
Automation & PC Software	Integrated Digital Gas Flowmeter	•	•
	Unattended Solvent Replacement within Series	–	• ¹⁾
	LED Status Light	•	•
	LabX Titration Express/Server	•	•
Method and Series	Temperature Range	40–280 °C	40–280 °C
	Maximum Number of Samples per Series ⁴⁾	120	120
	Flexible Method with Multiple Loops	–	•
	Temperature Scan and Ramp Functionality	–	•
Carrier Gas Option	Air pump AP200	•	•
	Gas Stop Valve SV2	•	•
	Heated Transfer Tube	• ²⁾	• ³⁾
Solvent Handling Option	Solvent Manager	•	•
	SP280 Peristaltic Pump	–	•
Vial & Cap	Vial Volume	10 mL	5, 10 and 20 mL
	Cap Type	One-Piece FEP Screw Cap	One-Piece FEP Screw Cap
Rack Kit Option No. of Positions x Vial Volume	26 × 5 mL Rack	–	•
	24 × 10 mL Rack	•	•
	20 × 20 mL Rack	–	•
	Customized Rack	–	•
Optional Long Needle for Oil Analysis	Long needle for 26 × 5 mL Rack	–	•
	Long needle for 24 × 10 mL Rack	•	•
	Long needle for 20 × 20 mL Rack	–	•
	Long needle for Customized Rack	–	•

¹⁾ Only with Peristaltic Pump SP280

²⁾ Optional

³⁾ Included in the standard delivery

⁴⁾ Reloading the Rack

Accessories Overview

Vial and Cap



5 mL Vial and Cap
(only for Pro)



10 mL Vial and Cap



20 mL Vial and Cap
(only for Pro)

Carrier Gas Option



AP200
Air Pump



SV2
Gas Switch Valve

Solvent handling



Solvent Manager



SP280
Peristaltic Pump²⁾

Rack Option



Rack Kit Option
5, 10 and 20 mL¹⁾

Other Accessories



Heated transfer tube



Long Needle for Oil

Software



PC software
LabX Titration Express/Server

METTLER TOLEDO Service



Service & Support

We support and service your InMotion KF Oven through its entire lifecycle, offering the same high standard of service that you expect for your titrator.

Qualification

Ensure the perfect start by qualifying your InMotion KF Oven at the same time as your titrator. Choose the Standard or Comprehensive Equipment qualification service to ensure immediate deployment and regulatory compliance from day one.

Calibration

Have confidence in your results with our specifically-designed calibration service. Our fully-compliant procedure calibrates both the oven temperature and the gas-flow rate to the titration cell, documented with professional, easy-to-read certificates. Combined with our Preventive Maintenance service, pre-planned periodic calibration ensures reliable performance, regulatory compliance, avoids unexpected downtime and protects your budget.

► www.mt.com/titration-service

¹⁾ 5 and 20 mL only for InMotion KF Pro ²⁾ For Fully Unattended Solvent Exchange

The Perfect Match For Every Purpose



Density & Refractometry

The multitasking LiquiPhysics system reliably measures density, refractive index and related values such as °Brix, HFCS, alcohol concentrations or API gravity. It can be automated and upgraded to multiparameter systems for simultaneous determination of additional parameters such as pH/conductivity, color, acidity and more.



Titration Excellence

The intuitive user interface and One Click operation make titrations and manual operations fast and simple on your Excellence Titrators. Secure your analyses with detailed user management, Plug & Play sensors, burettes and peripherals. Build the titrator for your needs today and tomorrow, with our multitude of modular accessories.



UV/VIS Spectrophotometers

The new UV/VIS Excellence spectrophotometers from METTLER TOLEDO optimize spectroscopic workflows. FastTrack™ Technology makes for speedy and reliable measurements with in a very compact footprint. Trustworthy performance is combined with intuitive and efficient One Click operation for a wide range of applications.



Melting Point & Dropping Point

Multiple methods such as melting, boiling, cloud, slip melting, dropping and softening point can be used to characterize a substance and analyze its properties. METTLER TOLEDO's Melting Point and Dropping Point Excellence Systems offer the possibility of measuring these thermal values accurately, automatically, and with compliance to international standards.

www.mt.com/InMotionKF-Oven

For more information

METTLER TOLEDO Group

Laboratory Division
Local contact: www.mt.com/contact

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