

Efficient Water Determination Speed Meets Reliability



Efficient workflows

Our latest titrator upholds a legacy of outstanding performance, evolving through generations of innovation, ensures fast and precise results.



Automation and application support

Boost your laboratory productivity by integrating the InMotion KF Six oven autosampler with the METTLER TOLEDO EVA KF titrator. This system automates high-throughput sampling and measures challenging samples.



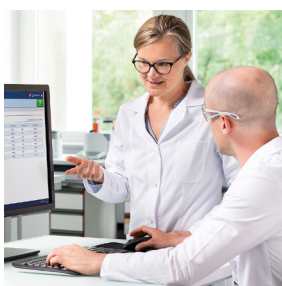
High reliability

The Swiss-designed and manufactured system is built to withstand heavy use, ensuring your titrator's robustness and longevity.



Secure operation

The automatic solvent exchange and emptying function minimize chemical exposure for operators. With the extendable terminal cable, you can conveniently monitor your titrator from outside a fume hood, ensuring both safety and efficiency in your lab.



Digitalized workflows

By integrating LabX™ Software, the system provides streamlined compliance, automatic and centralized data management, ensuring process control, and seamless system integration. This comprehensive digital solution for laboratory workflows simplifies processes and saves time.



EVA C1 Coulometric Karl Fischer Titrator

Your Key to Productivity

The EVA C1 Coulometric Karl Fischer Titrator is the ultimate solution for efficiently determining trace amount of water in various sample matrices.

- Innovative cell design that streamlines cleaning, saving your time and reducing the risk of cross-contamination.
- Comprehensive user management, full control over access rights and permissions.
- Effortless balance integration. Accurate automatic weight transfer to eliminate errors and delays.
- A range of accessories enhance performance and support challenging samples.

Technical Specifications

General	Control algorithm	METTLER TOLEDO FFA™ KF Control		
	Technique	Upol DC, amperometric		
	Polarization voltage range	-2300 mV – +2300 mV		
	Polarization voltage resolution	0.1 mV		
	Current measuring range	-240 µA – +240 µA		
	Water resolution	0.001 µg		
External power supply	Nominal input voltage	100 – 240 V AC ± 10%		
	Nominal input frequency	50 – 60 Hz		
	Output voltage	24 V DC		
	Max. power consumption	120 W		
	Power consumption in idle mode	12 W		
	Power consumption during measurement*	16 W		
Application	Determination range	0.01 – 200 mg		
	Limit of detection (LOD)	2 µg		
	Precision (RSD)	100 µg < 5% 1000 µg < 1%		
Dimensions and weight	Width × depth titrator	Titrator	Terminal	dPump KF
		135 × 177 mm	194 × 129 mm	51 × 169 mm
	Max. system height (without tubes)	355 mm		
	Max. system weight (excl. bottles)	9.8 kg		

* These values were measured using a standard method under standard lab conditions.

Functionality Overview

All entries are subject to changes!

		EVA C1
Autosampler compatibility	InMotion KF Six	•
	InMotion KF Flex	–
	InMotion KF Pro	–
Data management	LabX™ Software	•
	Network storage via ethernet (csv and pdf)	•
	USB flash drive (csv and pdf)	•
	Network printer DIN-A4/US letter / USB-P25 compact printer	•
Safety and security	Automatic solvent exchange	•
	Direct sample weight transfer from balance	•
	Automatic sample detection and titration start	•
	Comprehensive user management	•
	Remote control and operation in a fume hood with optional 250 cm terminal cable	•
Compliance	21 CFR Part 11 support with optional LabX™ Software	•
	ALCOA++ support with optional LabX™ Software	•

Order information

	Description	Material no.
Standard delivery	Titration kit KFC	30988520
	Solvent pump dPump KF	30869285
	Generator electrode with / without diaphragm	31028002 / 31028003
Alternative vessels	Vessel KFC brown GL80	30988519
	Vessel KFC TS GL80 (thermostatable vessel)	30988517
Accessories	Terminal cable 250 cm	30869309
	Strip printer Compact P25 USB-A	11124301
	Cable USB-A RS232 (to use METTLER TOLEDO RS232 balances)	64088427
	Cable USB-A USB-B (to use METTLER TOLEDO USB balances)	51191926
LabX Software	LabX Data Titration license	30851289
	LabX Centralized Titration license	30851291
	LabX Regulated Titration license	30851293

Service

Protect your investment from day one and beyond with our range of comprehensive services available for EVA C1 and C3 coulometric KF titrators, including professional Installation and Qualification, User training, Extended Care, Calibration, Preventive Maintenance and onsite Repair. Ask your local METTLER TOLEDO representative for more information.