



870 KF Titrino plus

**Easy, safe and precise water determination
has never been so simple.**

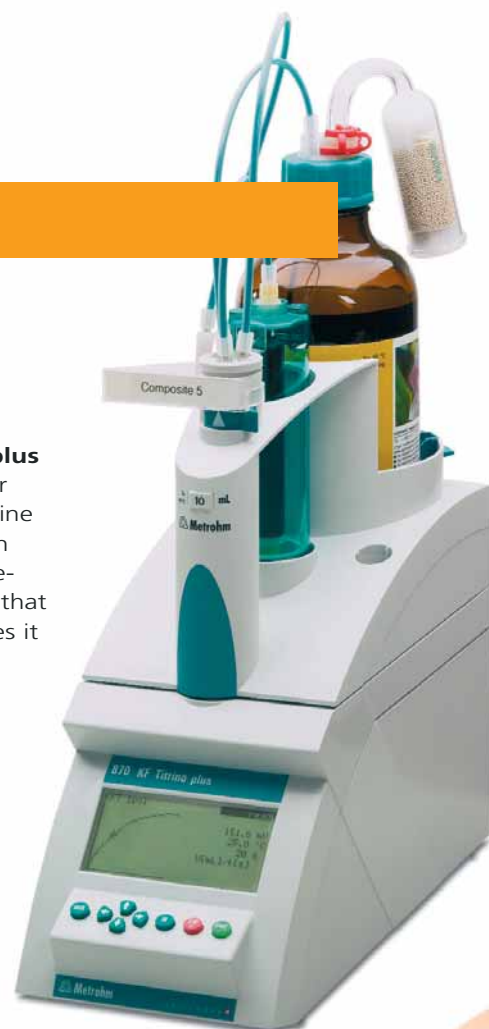
Titrino
PLUS

KF Titrino plus – the KF Titrator with the best price-performance ratio

> Intuitive, easy operation

Routine determinations of water with the new 870 KF Titrino plus

The favorably priced 870 KF Titrino plus is Metrohm's new Karl Fischer titrator for volumetric water determinations. It can be used to determine water contents from a few ppm up to 100% reliably and accurately in solid, liquid and gaseous samples. With its new operating interface designed for routine users, the 870 KF Titrino plus is so easy to operate that it only requires a short familiarization period. Also its robustness makes it the ideal titrator for routine determinations.



plus

The advantages of the new 870 KF Titrino plus at a glance:

- Straightforward installation
- Easy operation thanks to predefined methods
- Excellent precision thanks to the high-resolution measuring input
- Live curve for recognizing side-reactions
- Overflow protection for increased workplace safety
- Compact USB printer as an option



Very simple installation

The installation of the 870 KF Titrino plus is extremely simple. As soon as they are connected, the Exchange Unit, stirrer and compact USB printer are recognized and configured automatically.



Ready-to-use methods simplify your work

You only have to decide whether you want to carry out a titer, blank or water determination and then start the titration by pressing just one key. Of course, you can also adapt the parameters yourself to your sample.

Formulas included

The appropriate calculation formulas for each method are stored in the titrator. All you have to do is select the units for entering the sample weight and presenting the results; the 870 KF Titrino plus informs you about the necessary conversion factors.



Mouse or keyboard – choose your favorite!

The 870 KF Titrino plus can be controlled either by mouse-click or keyboard – the choice is yours.



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> Precision you can rely on

Highest precision thanks to new measuring input

Just like the Titrando high-end titrator, the new KF titrator is also equipped with a high-resolution measuring input that guarantees results of the highest precision.

The live curve allows you to recognize side-reactions

Metrohm KF titrators are equipped with a display showing the live curve as standard. This allows you to recognize side-reactions in good time and take measures to suppress them.

Intelligent Exchange Unit for more comfort

The chip of the intelligent Metrohm Exchange Unit automatically provides the titrator with all the data (cylinder volume, type of KF reagent, validity of titer, etc.) that is necessary to carry out an error-free titration. This means that you always titrate under optimal conditions and, for example, do not have to repeat measurements because the determination has been carried out with an invalid titer.



> Workplace safety is a priority

New parameters improve workplace safety

Great importance has been given to workplace safety: The new titrator allows safe handling of Karl Fischer reagents. The new safety parameter «Conditioning options» prevents the titration cell from overflowing during conditioning.

Environmentally friendly

Like all Metrohm KF titrators, the 870 KF Titrino plus can also be used with ethanol-based Karl Fischer reagents without any problems.

The 803 KF Titration Stand

The 803 KF Titration Stand is used for stirring and for exchanging the used working medium. The built-in pump aspirates off the used titration solution and adds new working medium without the cell having to be opened. This shortens the conditioning time and prevents the escape of solvents and their accumulation in the lab atmosphere.



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870 KF Titrino plus – overview

Dosing elements	Exchange Units
Intelligent Exchange Units with integrated data chip	•
Steps per cylinder volume	10'000
Operation, dialog	Keyboard and mouse
Stirrer, titration stand	803 KF Titration Stand, 801 Magnetic Stirrer as an option
Stirrer connection	1 MSB connection (Metrohm Serial Bus, Daisy Chain)
Connection of balances, printer, USB keyboard, USB mouse, USB memory stick and barcode reader	Via 1 USB Slave Port, RS-232/USB Box (option)
Live curve display with graphic LCD	•
KF volumetric Karl Fischer titration with automatic conditioning	•
I_{pol} and U_{pol} – integrated programmable polarizer	•
Predefined methods including calculation formulas	•
Dialog language	English
Comprehensive GLP/GMP functions	•

Ordering information, options

- 2.870.0010 KF Titrino plus with one measuring interface, including comprehensive accessories with titration vessel and indicator electrode
- 2.803.0010 KF Titration Stand with stirrer and integrated membrane pump for reagent exchange
- Intelligent Exchange Units equipped with data chip, including accessories and two buret tips, one of them with micro outlet valve.
 - 6.3026.110 Buret volume 1 mL
 - 6.3026.150 Buret volume 5 mL
 - 6.3026.210 Buret volume 10 mL
 - 6.3026.220 Buret volume 20 mL
 - 6.3026.250 Buret volume 50 mL

Options for connecting a balance

- 6.2148.020 RS 232/USB Box
- 6.2151.030 Cable USB A – USB B

Optional compact USB printer

- 2.141.0100 Thermal printer including cable



The optimal solution for every task



Titrand 841 – volumetric high-end titrator for demanding KF titrations.



The 756 and 831 KF Coulometers for water content determinations in the trace region. The picture shows the 831 KF Coulometer.



The Karl Fischer oven technique for the easy preparation of difficult samples. The picture shows the 832 KF Thermo-prep with manual sample addition.



High sample throughputs are best dealt with by the fully automated 774 Oven Sample Processor.

Titrimo **PLUS**



s w i s s m a d e 

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3 year
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