



### Water Determination Made Easy

Karl Fischer determination is the benchmark for water content analysis. The Easy KFV titrates for water content in a wide variety of samples from any industry.



### Easy App Guidance

This titrator has been especially designed for simplicity. New operators are already familiar with the Smartphone like Apps oriented user interface. Start your routine analysis with a LongClick™ on the home screen. The intuitive navigation speaks your language and 14 others. Learning and using a new analytical instrument has never been so easy.



### Swiss Engineered

EasyPlus™ Titrators are designed and constructed by our Swiss development team according to the highest possible software and hardware standards. Their renowned expertise has made the impossible possible; to develop such a high quality instrument with such a small footprint.



### iTitrate for Easy Programming

iTitrate Intelligence makes method programming simple with EasySetup guidance. Set only the minimal parameters and the titrator programs the rest, including correct calculations based on desired measurement units. Easy setup equals swift implementation.



### Easy KFV Titrator

#### Water Determination Made Easy

This versatile titrator is suitable for a range of determinations making it ideal for simple titrations of most sample types. The simple 'App' style user interface reduces training time while increasing work speed and simplicity. iTitrate Intelligence's guided set-up assists in method programming to ensure samples are tested consistently, regardless of operator, and with minimal effort. Eliminate manual calculations and documentation with a printer or EasyDirect™ Titration PC Software.

Features of the Easy KFV Titrator include:

- Tests water in the range from 100 ppm to 100%.
- Simple and automatic titrant standardizations.
- Injection port for syringes and pipetted liquid samples.
- Handy weighing/carrying spoon for easy and spill-free solid sample introduction.

# Easy KFV

## Standard delivery

Product	Quantity	Order Number
EM43-BNC sensor redox ipol	1	30043105
EasyPlus burette 10 mL	1	30043900
EasyPlus tubing set instrument	1	30065464
EasyPlus tubing set EasyPump	1	30065465
EasyStir KF	1	30065468
EasyPlus titration head KF	1	30041103
EasyPlus drying tube	3	30044701
Valve	1	30042860
Bottle head	1	30060023
Insert set titration head KF	1	30057636
EasyPump	1	30064218
Weighing boat and stopper set	1	30065466
KF Vessel Set	1	30065471
Burette cover set	1	30057633

## Accessories

Product	Order Number
Bottle adaptor China	30060026
Bottle adaptor India	30060024
Bottle adapter Merck	23774
Bottle adaptor Fischer	23787
Siphon tips (5 pcs.)	23240
EasyDirect instrument license for 3 titrators per PC	30065449
USB-P25 strip printer	11124301

## Technical specifications

Polarized sensor input	Current source KF	0 – 50 $\mu$ A
	Resolution	$\pm$ 0.1 $\mu$ A
	Measuring range (voltage input)	0 – 2000 mV
Power supply	Input voltage	24 VDC / 1.25 A
	Line input voltage	100 – 240 V $\pm$ 10%
	Input frequency	50/60 Hz
Environment	Ambient temperature	5 °C – 40 °C
	Atmospheric humidity	Max. 80% at 31 °C
Titration dimensions	Width x depth x height / weight	170 x 220 x 350 mm / 1.9 kg (plus KF stand 0.8 kg)
Control and display	Touchscreen	4.3 inch, 480 x 272 pixel RGB
Communication	USB-A	USB full / low speed
	USB-B	USB full / low speed
Application*	Measuring range (KF)	100 ppm up to 100%
	Repeatability	0.5% RDS

\*Depends on the environment and handling

## Support or Service? No problem



### Application know-how

Would you like application know-how to titrate a specific sample?



### Expertise & help

Would you like best practice titration tips or require technical support expertise?



### Maintenance & verification

Do you want learn more about preventive maintenance or need to carry out a performance verification of your titrator?

Simply register to the EasyPlus™ Titration Webpage and quickly find comprehensive help for your daily tasks.

► [www.mt.com/easyplustitration](http://www.mt.com/easyplustitration)



Quality certificate ISO9001  
Environment certificate ISO14001  
Internet: <http://www.mt.com>  
Worldwide service

Subject to technical changes  
© 01/2013 Mettler-Toledo AG  
MarCom Analytical, 30073740

[www.mt.com/easyplustitration](http://www.mt.com/easyplustitration)

For more information