



Eco Coulometer

Coulometric water determination simple, safe, and reliable

HIGHLIGHTS

- Swiss-made quality: 3-year instrument warranty
- Easy to set up and use
- Safe handling of reagents
- Free method templates
- Global on-site service and application support



Metrohm
means ...
Spectroscopy!



Why Karl Fischer titration is the method of choice

When it comes to methods for water determination, Karl Fischer titration is the gold standard. Whether your matrix is chemicals, petrochemicals, plastics, or others – coulometric Karl Fischer titration is described by dozens of national and international norms and standards such as EN, ISO, ASTM, DIN, and others. There are three main reasons, why this is so:

- Karl Fischer titration is a direct method and specific for water (low risk of matrix interferences)
- It is highly sensitive (detection limits in the micrograms range)
- It is fast (generally, less than 3 minutes per sample)

Pre-installed example methods help you get started

For a quick and easy start, you find free example methods already pre-installed on the Eco Coulometer: Select your method, continue with the conditioning of the solvent, start your method and introduce the sample – a simple procedure that takes just a few clicks on the Eco Coulometer's touch sensitive user interface. The titration itself is performed fully automatically and the precise result for the water content is shown on the instrument's user interface.

Successful installation out of the box

Thanks to the installation video you can easily set up and commission the Eco Coulometer by yourself.

Unparalleled Service and Support – worldwide

The service engineers and application chemists from your local Metrohm office support you in all aspects of your Eco Coulometer and how to use. It is good to know that there is support when you need it – just around the corner!



Eco Coulometer

860 KF Thermoprep

Generate GLP-compliant reports

Working in compliance with GLP requirements is easy with the Eco Coulometer: Reports with complete information who performed which method and when can be easily generated in the PDF format. Reports can be saved either on a USB memory stick or printed out on a printer connected to the instrument.

Solid sample matrix? No problem!

For water determination in solid samples, simply connect the Eco Coulometer to an 860 Thermoprep. With this device, your sample is heated in a dedicated vial (thermal digestion). The moisture is released by evaporation and transported into the titration cell of your Eco Coulometer for straightforward quantification.



Swiss made does not always mean expensive

The Eco Coulometer is the ideal instrument to perform routine determinations of the water content fast, safely and reliably. Especially, if you don't want to compromise on quality but insist on a competitive price, the Swiss made Eco Coulometer is the solution of choice.



885 Compact Oven Sample Changer

High sample volume? Automate your analysis!

Simply connect your Eco Coulometer to an 885 Compact Oven Sample Changer and you can determine the water content in up to 17 samples completely unattended.

ORDERING INFORMATION

Instrument	
2.1028.0010	Eco Coulometer with generator electrode with diaphragm
2.1028.0110	Eco Coulometer with generator electrode without diaphragm
Accessories	
2.860.0010	860 KF Thermoprep
2.885.0010	885 Compact Oven Sample Changer
2.1029.0010	Solvent Pump (with accessories for Solvent Pump; for solvent exchange)
6.1439.010	KF inlet and aspiration tube
2.142.0100	Custom Q3X Printer
6.9001.050	Thermo paper for Custom Neos-N / Q3X



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