Eco Titrator

Don’t take risks in your quality control

Metrohm

We give you peace of mind

When something goes wrong in quality control, the reputation of your brand is at stake. Better to exclude any risks in the first place. With the new Metrohm Eco Titrator this is easy. The Eco Titrator makes titration so simple, safe, and reliable that everybody can perform titrations – and get the results right!

A simple and reliable routine

You can **save up to 120 titration methods** on your Eco Titrator. Simply select the required method, enter the sample size, and press the start button – that's it. The Eco Titrator performs the analysis fully automatically.

- **Touch sensitive user interface**
- **Routine and expert user mode to protect your methods and prevent user errors**
- **Button to directly control the speed of the stirrer**

Superior precision

The **high resolution of the Eco Titrator's buret** allows precise dosing of volumes down to the micro liter range. This makes it easy to comply with the requirements of DIN EN ISO 8655-6.

- **Flexible buret volume (5, 10, 20, or 50 mL)**
- **Straightforward, software guided installation and buret exchange**

Reliable results

The Eco Titrator features a **highly precise measuring** input. In combination with our electrodes «Made in Switzerland» this provides for measuring results of highest accuracy and reliability.

Compact and robust

Great emphasis was put on the **compact and robust design** of the Eco Titrator. The complete device is easily moved from one place to another, so you always have it where you need it – be it in the laboratory or right next to the production line.

- **Integrated magnetic stirrer**
- **Safe stand for the reagent bottle**
- **Straightforward installation and transportation**

GLP compliant documentation

Using the USB port of the device, you can **connect a printer to your Eco Titrator** or use this port to store your methods and/or results on an USB memory stick.

- **GLP compliant reports for immediate printing or storing on USB memory stick**
- **Archiving and easy method transfer using a USB memory stick.**

A true all-rounder

Whichever your industry is – the Eco Titrator is the right device for you. Combined with the right Metrohm sensor, you can perform all standard applications in potentiometric titration.

Water analysis

- Carbonate and calcium / magnesium hardness
- Chloride
- Sulfate
- Permanganate index

Food & beverages

- Acidity
- Chloride
- Vitamin C
- Iodine and peroxide number of fats and oil

Petrochemistry

- TAN / TBN
- Mercaptanes
- Chloride
- Bromine number

Connect a Custom Q3X Printer to the Eco Titrator's USB port and print out GLP compliant reports right in the laboratory.

Compact design: just 28,6 cm (w) x 28,6 cm (d) x 22,0 cm (h)

Plating / Surface finishing

- TAN
- Metal content
- Chloride
- Analysis of degreasing / etching baths

Surfactant analysis

- Anionic / cationic surfactants
- Non ionic surfactants

Photometric titrations (with color indicator)

- TAN / TBN
- Water hardness
- Metals in cement
- p- and m-value of water

Producing quality results can be so simple

Once your applications are saved on the device, working with the Eco Titrator could not be any easier: Press a few keys and what you get is an accurate, reproducible result for your sample. Depending on your requirements, save a GLP compliant report as a PDF file on a USB memory stick.

Select method

Enter the sample data and start the titration

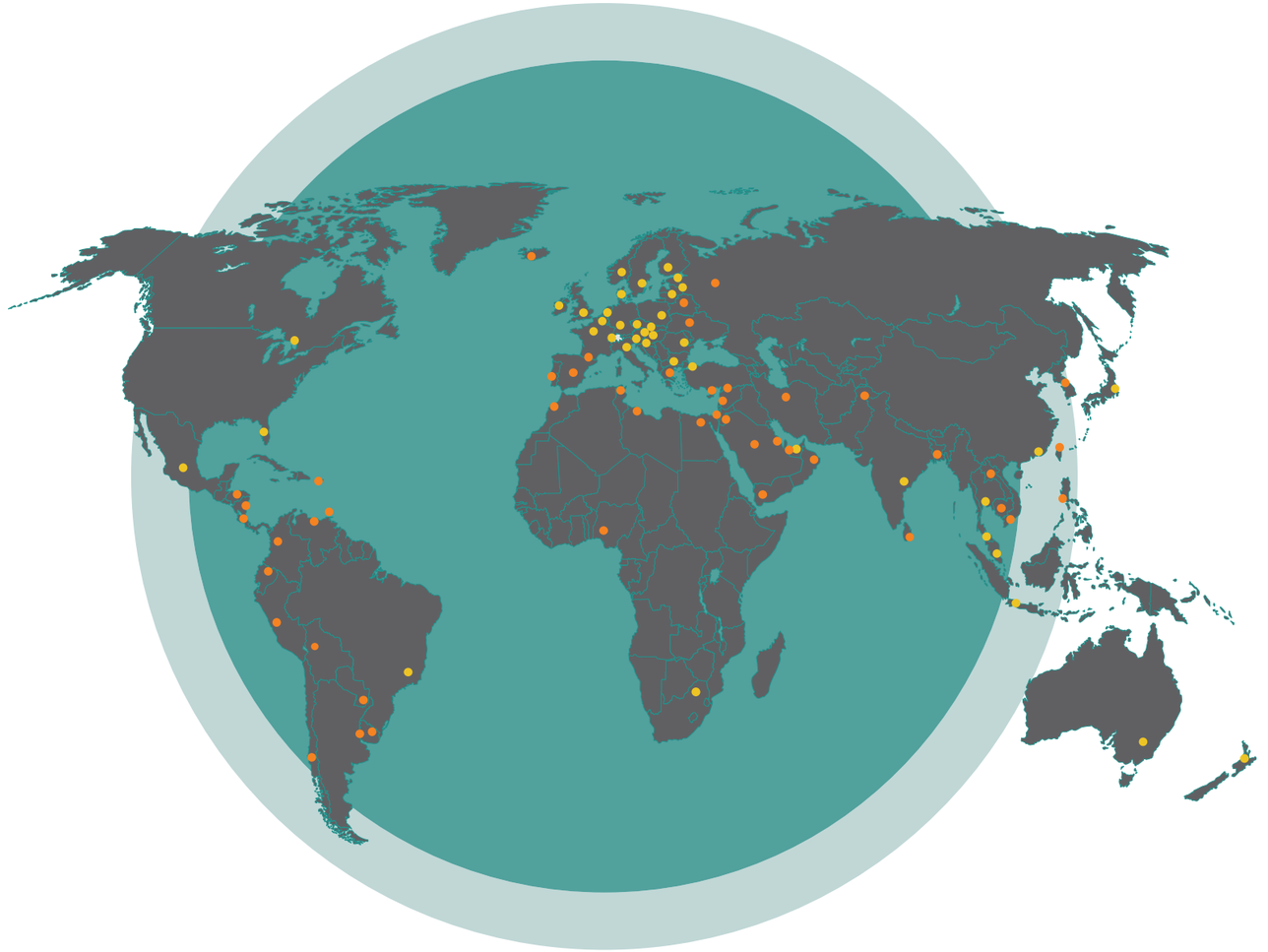
Obtain a GLP compliant report

Local service and support – worldwide

With the Eco Titrator, you benefit from **quality «Made in Switzerland»** as well as professional service and support from our local sales organizations – wherever you are.

- **Professional application support**
- **Technical service on site**
- **Certified Dosing Test**

Metrohm
Swiss Quality



Ordering information

2.1008.0010	Eco Titrator

Acessories

6.03002.150	Cylinder unit for Eco Dosimat / Eco Titrator 5 mL
6.03002.210	Cylinder unit for Eco Dosimat / Eco Titrator 10 mL
6.03002.220	Cylinder unit for Eco Dosimat / Eco Titrator 20 mL
6.03002.250	Cylinder unit for Eco Dosimat / Eco Titrator 50 mL
2.142.0100	Custom Q3X Printer
6.9001.050	Thermal paper for Custom Neos-N / Q3X

Application specific packages

These application specific packages include all required accessories for the dedicated applications. Unpack and go…

2.1008.1010 **Eco Titrator Acid / Base**
Complete package for aqueous pH titrations. Includes Eco Titrator, Cylinder unit 20 mL, combined pH electrode 6.0220.100 Solitrode and 6.2308.020 Electrolyte KCl 3 mol/L

2.1008.2010 **Eco Titrator Salt**
Complete package for chloride titrations with Titrant $AgNO_3$. Includes Eco Titrator, Cylinder unit 10 mL, and 6.0430.100 Ag Titrode.

2.1008.3010 **Eco Titrator Oil**
Complete package for non-aqueous pH titrations (e.g. acid number / base number of petrochemical products). Includes Eco Titrator, Cylinder unit 20 mL, and 6.0229.010 Solvotrode easyClean

2.1008.4010 **Eco Titrator Redox**
Complete Package for Redox titrations (e.g. Iodometry, Cerimetry, Manganometry, etc.). Includes Eco Titrator, Cylinder unit 20 mL, and 6.0431.100 Pt Titrode

www.metrohm.com

Subject to change
Design by Ecknauer+Schoch ASW, printed in Switzerland by Metrohm AG, CH-9100 Herisau
8.000.5297EN – 2019-04