Eco Titrator

Don't take risks in your quality control

Ω 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**

Multilingual

User-dialog in 13 languages: DE, EN, CN, FR, IT, JP, KR, PL, PT, RU, ES, TH, VN

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.

Food & beverages

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

Water analysis

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

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.

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**

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

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

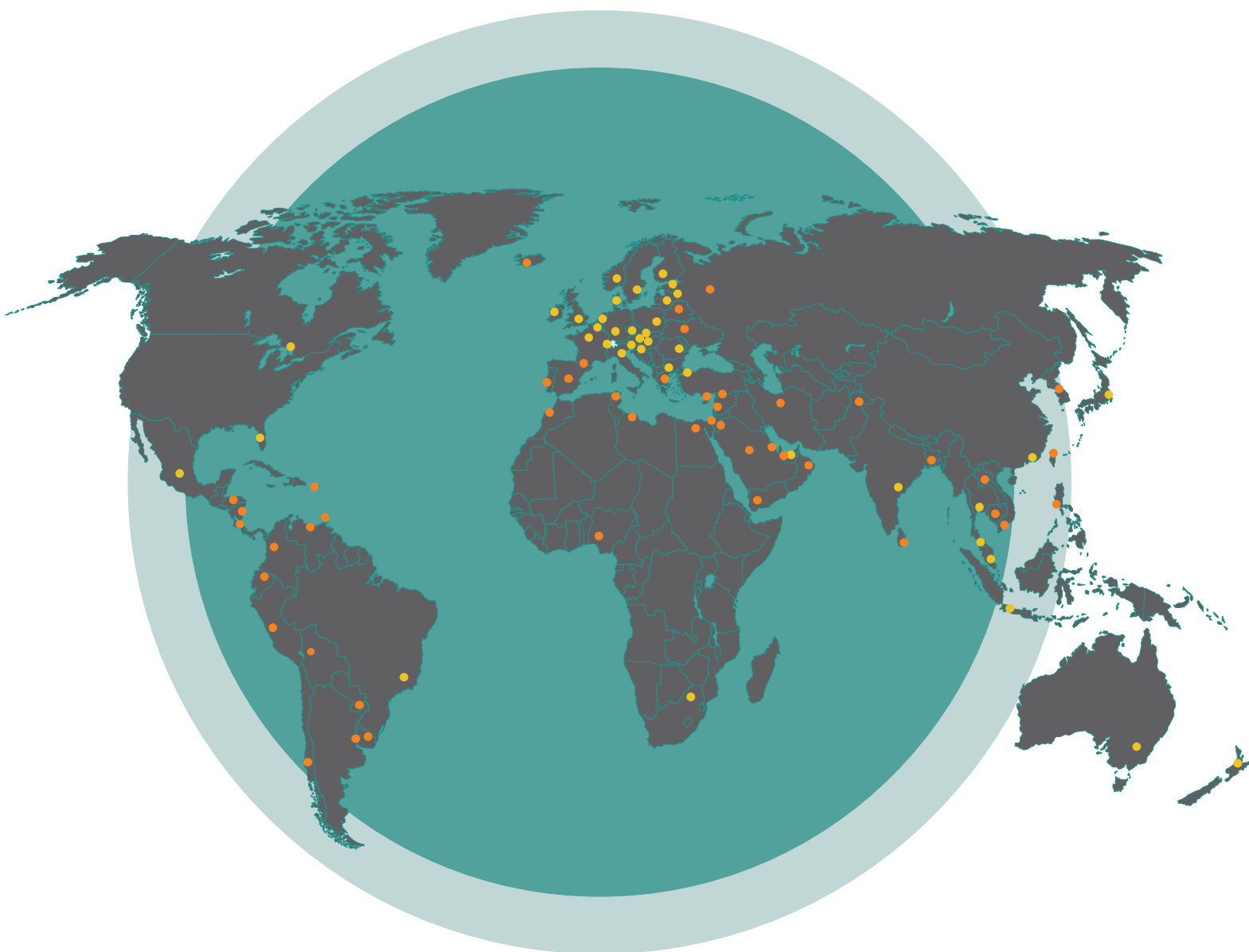## Obtain a GLP compliant report

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.

Metrohm
Swiss Quality

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

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

2.1008.5010 Eco Titrator Biogas

Complete package for determining the FOS/TAC value for monitoring your biogas reactor. Includes Eco Titrator, Cylinder unit 20 mL, 6.0221.600 Ecotrode Gel with NTC, and all buffer solutions and electrolytes for calibration and storage of the electrodes.

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