



# Automatic titration of acids and bases for up to 12 samples

MATi 06

Fully automatic system for potentiometric titration of acids and bases in series of up to 12 samples. The titration is carried out directly in the beaker on the rack. Afterwards, the electrode is cleaned automatically using the membrane pumps built into the sample changer and the titration beaker is emptied. The control of this system is handled by the user-friendly OMNIS software.

Below, the accessories are grouped into Scope of delivery and Optional accessories. Please keep this printout at hand for ordering replacement material. These lists may be subject to change.

## Scope of delivery MATi 06

| Qt. | Order no. | Description |
|-----|-----------|-------------|
|-----|-----------|-------------|

1 PCS

6.9921.223

854 iConnect / 3 m

The 854 iConnect - Electrode cable and measuring amplifier for intelligent "iTrodes" electrodes. This version has a 3 m long cable and is therefore intended for use in automated systems.



1 PCS

2.800.0010

800 Dosino

The 800 Dosino is a drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).



1 PCS

2.802.0020

802 Stirrer for sample changer

Rod stirrer for sample changer and Sample Processor.

With 104 mm 6.1909.020 stirring propeller and permanently installed cable.



1 PCS

2.814.0020

814 USB Sample Processor (1T/2P)

USB Sample Processor with one workstation and two built-in membrane pumps for the automatic processing of routine samples in series with small to medium quantities. In addition to the built-in pumps, up to three dosing devices for Liquid Handling tasks can be connected.

Because of the multitude of application variants, rack, stirrer, titration head, Swing Head and sample vessels must be tailored to the application and ordered separately.

The control is "stand alone" using Touch Control. The following software products can be selected for the PC control: tiamo™ titration software, MagIC Net chromatography software, viva voltammetry software, or OMNIS.



High-end titrator for potentiometric titration with one measuring interface for use with Dosino dosing systems.

- up to four dosing systems of the 800 Dosino type
- dynamic (DET), monotonic (MET), and endpoint titration (SET)
- Measurement with ion-selective electrodes (MEAS CONC)
- Dosing functions with monitoring, Liquid Handling
- four MSB connectors for additional stirrers or dosing systems
- "iTrode" intelligent electrodes
- USB connector
- For use with OMNIS Software, *tiamo* software, or Touch Control unit
- Compliance with GMP/GLP and FDA regulations such as 21 CFR Part 11, if required



Intelligent, combined pH electrode with integrated memory chip for storing of sensor data. This electrode is suitable for aqueous acid/base titrations.

The fixed ground-joint diaphragm is insensitive to contamination.  
Reference electrolyte:  $c(\text{KCl}) = 3 \text{ mol/L}$ , storage in storage solution.  
iTrodes can be connected to Titrand, Ti-Touch or 913/914 meters.



Sample beaker, clear glass, 250 mL, suitable for sample racks:  
6.2041.310, 6.2041.400, 6.2041.430, 6.2041.510, 6.2041.820,  
6.2068.020 and 6.2068.030, 1 piece



1 PCS

6.1458.010

Titration head, 6 x SGJ 14 and 3 x SGJ 9 openings.

With 6xSGJ 14 and 3x SGJ 9 openings.



1 PCS

6.1608.023

Amber glass bottle / 1000 mL / GL 45

For Exchange Units. Bottle for auxiliary solutions.



1 PCS

6.1805.030

FEP tubing / M6 / 150 cm

With light and kink protection



1 PCS

6.2041.310

Sample rack, 12 x 250 mL, (PVC)

Sample rack for 810 Sample Processor, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 12 sample beakers. The following sample beakers can be used: 6.1432.320, 6.1432.323, 6.1453.220, 6.1453.250.

Plastic: Polyvinyl chloride (PVC)



1 PCS

6.2151.000

Cable USB A – mini-DIN 8-pin

Controller cable



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1 PCS

6.2307.100

Buffer solution pH 4 (500 mL)

Ready-to-use buffer solution pH = 4 (25 °C), colored, with closure seal



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1 PCS

6.2307.110

Buffer solution pH 7 (500 mL)

Ready-to-use buffer solution pH = 7 (25 °C), colored, with closure seal



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1 PCS

6.2307.120

Buffer solution pH 9 (500 mL)

Ready-to-use buffer solution pH = 9 (25 °C), colorless, with closure seal



1 PCS      6.2325.000      pHit kit

Maintenance kit for pH electrodes

The kit contains:

- 50 mL cleaning solution
- 50 mL 3M KCl solution
- 50 mL storage solution
- 2 Storage vessels
- Instructions for use



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1 PCS      6.3032.210      807 Dosing Unit 10 mL

807 Dosing Unit with integrated data chip with 10 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



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1 PCS      6.06000.000      OMNIS Software storage device

License-based PC program for controlling complex OMNIS analysis systems.

- Sample-oriented operating procedures with numerous templates
- Graphical method editor with numerous templates
- Clearly organized and professional sample lists
- Management of instruments, work systems, sensors, solutions
- Dialog languages: German, English, Chinese



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1 PCS      6.06003.012      OMNIS stand-alone license with 2 instrument licenses

Enables stand-alone operation of the OMNIS Software on a Windows™ computer.

Features:

- The license already includes two OMNIS instrument licenses.
- Must be activated via the Metrohm licensing portal.



# Optional accessories

| Order no.   | Description                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.06003.010 | <div>OMNIS Stand-Alone license</div> <div>Enables stand-alone operation of the OMNIS software on a Windows™ computer.</div> <div>Features:</div> <div><ul style="list-style-type: none"><li>• The license already includes one OMNIS instrument license.</li><li>• Must be activated via the Metrohm licensing portal.</li></ul></div> |

