



Automated COD determination

MATi-12

Automatic system for potentiometric titration of COD samples in series up to 21 samples. The titration is carried out directly in the reaction vessel on the rack. Afterwards, the electrode is cleaned automatically by means of the membrane pumps built into the sample changer and the reaction vessel 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-12

Qt.	Order no.	Description
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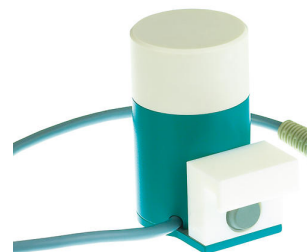
1 PCS

2.741.0010

741 Magnetic Stirrer

Magnetic stirrer for sample changers.

The magnetic stirrer is located beneath the sample rack.



5 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

2.814.0020

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

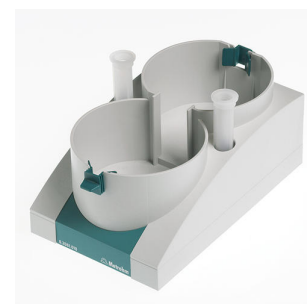


Sample rack for 810 Sample Processor, 814 USB Sample Processor, 855 Robotic Titrosampler "Light" suitable for 21 sample vessels. The following sample vessels can be used: 100 mL digestion tubes (CSB).

Plastic: Polyvinyl chloride (PVC)



Bottle holder for up to two Dosinos, mounted on 1 L reagent bottles.



1 PCS

6.2104.030

Electrode Cable 2 m / F

For connecting electrodes with Metrohm plug-in head G to Metrohm instruments (socket F).



1 PCS

6.2151.000

Cable USB A – mini-DIN 8-pin

Controller cable



1 PCS

6.3032.120

807 Dosing Unit 2 mL

807 Dosing Unit with integrated data chip with 2 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



1 PCS

6.3032.220

807 Dosing Unit 20 mL

807 Dosing Unit with integrated data chip with 20 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



807 Dosing Unit with integrated data chip with 50 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



Height extension 130 mm for Sample Processors. Tower extension for COD applications.



Titration head for use in the CSB System (MATi 12). The titration head offers three retracted tubings with antidiffusion valve and one for aspiration of the titrated solution. The electrode can be fastened in place in an M10 screw connector. As before, three openings are provided for spray nozzles.



Combined gold ring electrode with a pH glass membrane as reference electrode, installation length = 30.8 cm, narrowed to a diameter of 6.4 mm.

This maintenance-free electrode is well suited for redox titrations when the pH value remains constant, e.g.:

- determination of the chemical oxygen demand (COD, ferrometry)
- determination of penicillin and ampicillin
- for titrations using $\text{Hg}(\text{NO}_3)_2$
- for titrations in presence of chromium or iron

This electrode is stored in deion. water.



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



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	OMNIS Stand-Alone license Enables stand-alone operation of the OMNIS software on a Windows™ computer. Features: • The license already includes one OMNIS instrument license. • Must be activated via the Metrohm licensing portal.

