




Accessories for MATi 08

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 08

Qty.	Order no.	Description	
1 pcs	2.786.0040	786 Swing Head Additional equipment for Robotic Sample Processors XL without titration or transfer heads.	
2 pcs	2.800.0010	800 Dosino Drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).	
1 pcs	2.802.0040	802 Stirrer (propeller stirrer) for 804 Ti Stand Rod stirrer with 6.1909.010 Propeller stirrer.	

1 pcs 2.804.0010 804 Ti Stand without stand rod

Titration stand and controller for 802 Stirrer. The 804 Ti Stand together with the optional 802 Stirrer provides an alternative to the magnetic stirrer. Without stand.



1 pcs 2.815.0020 815 Robotic USB Sample Processor XL (1T/2P)

Robotic USB Sample Processor XL with one workstation and two built-in membrane pumps for the automatic processing of routine samples in series with large quantities and for complex sample preparation or parallel runs. Up to three dosing devices for Liquid Handling tasks can be connected.

Because of the multitude of application variants, rack, stirrer, titration head, robotic arm, 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.



1 pcs 2.854.0010 854 iConnect

854 iConnect - electrode cable and measuring amplifier for intelligent electrodes «iTrodes».



1 pcs 2.905.0010 905 Titrand

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



1 pcs 6.0280.300 iEcotrode plus

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.



1 pcs 6.1414.080 Titration vessel lid automation

Titration vessel lid for external use with the 6.1415.250 titration vessel base in automation.



1 pcs 6.1415.250 Titration vessel / 50-150 mL

100 pcs 6.1432.210 Sample beaker, clear glass, 75 mL, 1 piece

Sample beaker, clear glass, 75 mL, suitable for sample racks: 6.2041.340, 6.2041.350, 6.2041.800 and 6.2041.900, 1 piece



1 pcs 6.1462.040 Robotic arm with transfer head for 786 Swing Head, right swinging

Transfer robotic arm for liquid handling purposes



1 pcs **6.1543.210** **3-way stopper with antidiffusion valve**
Stopper with three buret tips for connecting 3 x M6 tubing



1 pcs **6.1562.120** **Pipetting tubing / 10 mL with holder for sample processors**
Pipetting tubing for liquid transfer.



2 pcs **6.1608.023** **Amber glass bottle / 1000 mL / GL 45**
For Exchange Units. Bottle for auxiliary solutions.



1 pcs **6.1823.010** **Guide shaft to pipetting tubing**
For assembly in the transfer robotic arm on the Robotic Sample Processors



1 pcs **6.2001.070** **Support stand for Sample Processors**
Support stand for Sample Processors, for external titrations and dilutions (IC)



1 pcs **6.2041.800** **Sample rack 100 x 75 mL**
Sample rack for 100 x 75 mL samples, multi-row



1 pcs **6.2151.000** **Cable USB A – mini-DIN 8-pin**
Controller cable



1 pcs **6.2307.100** **Buffer solution pH 4 (500 mL)**
Ready-to-use buffer solution pH = 4 (25 °C), colored, with closure seal



1 pcs **6.2307.110** **Buffer solution pH 7 (500 mL)**
Ready-to-use buffer solution pH = 7 (25 °C), colored, with closure seal



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



1 pcs 6.2730.080 Screw nipple

PCTFE. Used with 6.5613.000 ECO titration equipment with 722 Stirrer



1 pcs 6.2739.000 Wrench

For tightening connectors



1 pcs **6.2751.120** **Safety shield Transfer set to 789/815**

Safety shield for Sample Processors with 786 Swing Head and transfer set.



2 pcs **6.3032.210** **Dosing Unit 10 mL**

Dosing unit with integrated data chip with 10 mL glass cylinder and light protection, mountable on reagent bottle with ISO/DIN GL45 thread. FEP tubing connection, anti-diffusion buret tip.







1 pcs **6.6056.301** **tiamo™ 3.0 light USB: 1 license**

tiamo™ 3.0 light computer program for controlling a titration system.

Up to two Metrohm instruments (Titrino, Titrand, etc.) can be connected; balances and other generic (i.e. non-Metrohm) instruments can be included without limitation
Graphical method editor with numerous templates
Layout manager for individual monitor interface
Professional database with reevaluation
High-performance report generator
Data export as PDF file, CSV, SLK
No parallel titration
No data export in XML format for LIMS
Dialog languages: German, English, French, Italian, Spanish, Czech, Portuguese, Polish, Russian, Slovakian, Japanese, Chinese, Traditional Chinese



Optional accessories

Order no.	Description	
6.0277.300	iAquatrode plus with Pt1000	
	<p>Intelligent, combined pH electrode with integrated memory chip for storing sensor data and with Pt1000 temperature sensor for pH measurements/titrations in ion-deficient aqueous media (e.g., drinking water, process water). This electrode shows a very short response time in these samples.</p> <p>The fixed ground-joint diaphragm is insensitive to contamination. When $c(\text{KCl}) = 3 \text{ mol/L}$ is used as bridge electrolyte, storage in storage solution is recommended. The bridge electrolyte can be easily replaced with a chloride-free electrolyte (e.g., potassium nitrate $c(\text{KNO}_3) = 1 \text{ mol/L}$ (6.2310.010)). Storage in the used bridge electrolyte. iTrodes can be connected to Titrando, Ti-Touch, or 913/914 meters.</p>	
6.0278.300	iUnitrode with Pt1000	
	<p>Intelligent, combined pH electrode with integrated memory chip for storing sensor data and Pt1000 temperature sensor. This electrode is particularly suitable:</p> <ul style="list-style-type: none"> • for pH measurements and titrations in difficult, viscous, or alkaline samples • at elevated temperatures • for long-term measurements <p>The fixed ground-joint diaphragm is insensitive to contamination.</p> <p>Reference electrolyte: $c(\text{KCl}) = 3 \text{ mol/L}$, storage in storage solution. Alternatively: reference electrolyte for measurements at $T > 80^\circ\text{C}$: Idrolyte, storage in Idrolyte. iTrodes can be connected to Titrando, Ti-Touch or 913/914 meters.</p>	
6.0600.000	OMNIS Software storage device	
	<p>License-based PC program for controlling complex OMNIS analysis systems.</p> <ul style="list-style-type: none"> • 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 	
6.06003.010	OMNIS Stand-Alone license	
	<p>Enables stand-alone operation of the OMNIS software on a Windows™ computer.</p> <p>Features:</p> <ul style="list-style-type: none"> • The license already includes one OMNIS instrument license. • Must be activated via the Metrohm licensing portal. • Not transferable to another computer. 	