

# **USP 645**

MATi 14

USP 645281USP3OMNIS

# MATi 14

Qt.	Order no.	
2 PCS	2.786.0040	786 Swing Head
	Additional equipm titration or transfe	nent for Robotic Sample Processors XL without or heads.



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



1 PCS

2.802.0040 802 Stirrer for 804 Ti Stand

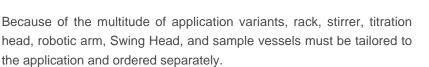
Rod stirrer including 6.1909.010 stirring propeller.



1 PCS

2.815.0130 815 Robotic USB Sample Processor XL (2T/0P)

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



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.



Membrane pump for direct connection to Sample Processors. The «Aspiration» version contains numerous accessories for aspirating off solutions.



### 1 PCS **2.856.0010 856 Conductivity Module**

Conductivity measuring module as supplement to an existing Titrando system or "stand-alone" in combination with a 900 Touch Control. With the 856 Conductivity Module, not only conductivity and temperature can be determined, but also TDS and salinity. It supports state-of-the-art conductivity measuring cells, i.e. 5-ring measuring cells.



The Conductivity Module is equipped with two USB interfaces for connecting printers, barcode readers, or sample changers and four MSB interfaces for stirrers or Dosinos.

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 2.867.0010 867 pH Module

Module for pH/ion measurement as supplement to a Titrando or "stand-alone" in combination with a 900 Touch Control.

In addition to measurements of pH, temperature, mV, Ipol, Upol and concentration, the pH Module can perform standard additions (manual, dos, autodos) and Liquid Handling (add, prep, empty). It enables the use of both conventional and intelligent sensors for measuring. Also integrated in the software is an automatic GLP-compliant pH electrode test.



The pH Module has two USB interfaces for connecting printers, barcode readers or sample changers and four MSB interfaces for stirrers or Dosinos (for the addition of auxiliary solutions or for standard addition).

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.



Combined pH electrode with integrated 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.



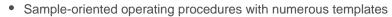
The fixed ground-joint diaphragm is insensitive to contamination.

When c(KCI) = 3 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  $c(KNO_3) = 1 \text{ mol/L } (6.2310.010))$ , storage in the used bridge electrolyte.

### 1 PCS 6.06000.000 OMNIS Software storage device

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





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

1 PCS 6.06002.010 OMNIS Stand-Alone: 1 instrument license

1 instrument license for operating one additional OMNIS instrument in OMNIS Stand-Alone.

The following instruments are supported:



- OMNIS instruments
- Metrohm USB devices
- RS-232 instruments (e.g., balance)



# 6.06003.012 OMNIS stand-alone license with 2 instrument licenses

Enables stand-alone operation of the OMNIS Software on a Windows<sup>™</sup> computer.

#### Features:

- DIE NEW LEVEL OF PERFORI
- The license already includes two OMNIS instrument licenses.
- Must be activated via the Metrohm licensing portal.
- Not transferable to another computer.

# 1 PCS 6.0916.040 Conductivity measuring cell c = 0.1 cm-1 with Pt1000 (fixed cable)

Conductivity measuring cell made of stainless steel with cell constant c = 0.1 cm $^{-1}$  (guide value), with integrated Pt1000 temperature sensor and fixed cable (1.2 m) for connecting to an 856 Conductivity Module. This sensor is suitable for measurements of low conductivities (0  $\mu$ S/cm to 300 uS/cm) in e.g., deion. water or for measurements in accordance with USP <645>.



1 PCS 6.1418.250 Titration vessel with thermostat jacket / 50-150 mL



28 PCS Sample beaker, clear glass, 250 mL, 1 piece

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





### 6.1458.040 Titration Head, 3 x SGJ 14

Titration head for 120 mL beakers. With 3 openings SGJ 14 and 4 openings 6.4 mm, 2 dosing tips included. Suitable for rinsing and aspiration equipment.



1 PCS

6.1462.070 Robotic arm with holder for titration head, right swinging

Titration head holder to 786 Swing Head



1 PCS

6.1462.260 Robotic arm with holder for titration head, left swinging, external

Titration head holder for 786 Swing Head with possibility of swinging to external positions



2 PCS

6.1805.120 FEP tubing / M6 / 100 cm

With light and kink protection



Propeller stirrer, length from lower edge of SGJ: 96 mm. For use with beakers with 722, 802 Rod Stirrer



28 PCS

6.2037.060 Lid for 250 mL sample beaker

Lid for 250 mL sample vessels in use with the Dis-Cover robotic arm on the Sample Processor.



1 PCS

6.2041.820 Sample rack, 28 x 250 mL, (PVC)

Plastic: Polyvinyl chloride (PVC)

Sample rack for 815 Robotic USB Sample Processor XL, 855 Robotic Titrosampler "Basic" suitable for 28 sample beakers. The following sample beakers can be used: 6.14332.320, 6.1432.323, 6.1453.220, 6.1453.250.



1 PCS

6.2058.050 Fastening plate for deflector and holder for collection container

The fastening plate is mounted at the side of the Sample Processor tower and allows the mounting of a deflector for the automatic pulling off the used tools.



# 6.2104.600 Electrode cable for plug in head U/plug F, 2x2 mm B, 1m

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



2 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





Conductivity standard for calibration of conductivity measuring cells with cell constant = 0.1/cm.



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 **6.3032.120 807 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 **6.3032.250 807 Dosing Unit 50 mL** 

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.





### Order no.

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