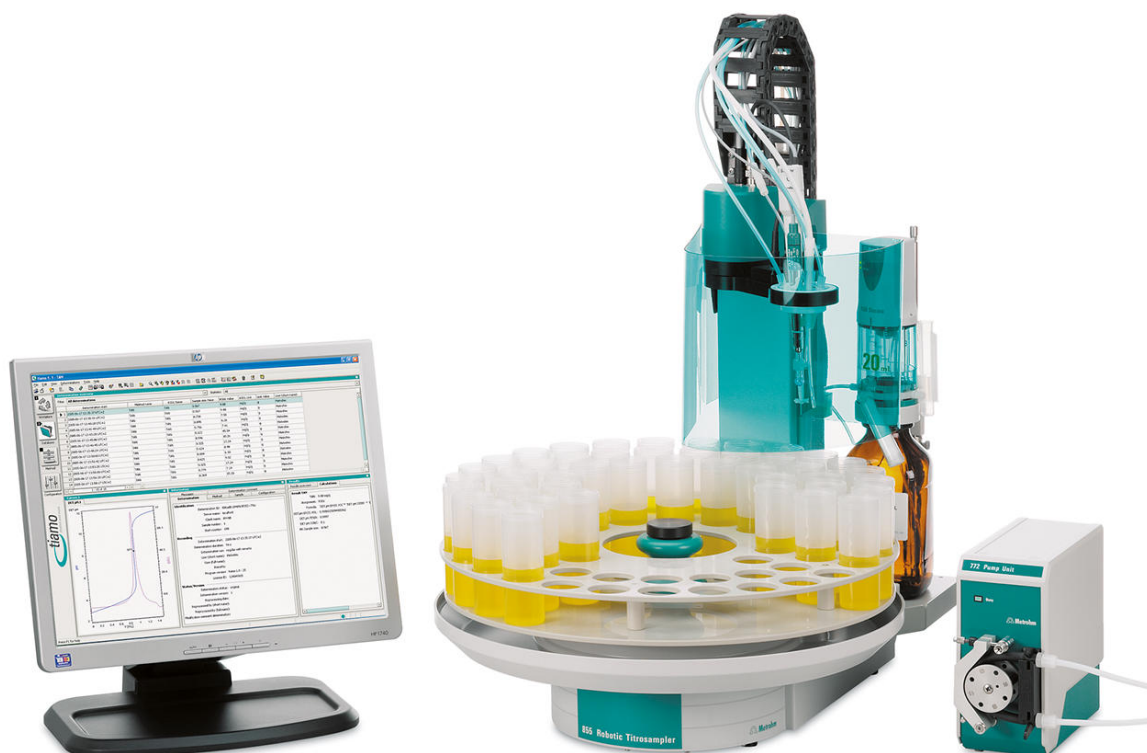




Robotic TAN/TBN Analyzer

2.855.2010

The complete package for the determination of TAN and/or TBN contains all the components for a fully automatic TAN/TBN titration in the smallest possible space in a minimum of time. Instruments, accessories, software, and application know-how – simply everything is included.

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 2.855.2010

Qt.	Order no.	Description
1 PCS	1.772.0110	772 Pump Unit
		Peristaltic pump for direct connection to Sample Processors.



1 PCS

1.802.0010

802 Rod Stirrer for 727 Ti Stand

Rod stirrer with separate 6.2137.000 Speed controller and 6.1909.010 Propeller stirrer.



1 PCS

1.855.0010

855 Robotic Titrosampler "Basic" (1T/1P)

Basic model for setting up customer-specific automation in the titration. Space-saving Robotic Sample Processor XL with integrated Titrando, one workstation including Swing Head and one built-in membrane pump. Either an external peristaltic pump or membrane pump can be connected for aspiration of the titrated solution (optional). The programming of the methods is accomplished by means of the handy Touch Control or with the tiamo™ titration software.



1 PCS

6.0229.010

Solvotrode easyClean (fixed cable 1.2 m)

Combined pH electrode with flexible easyClean diaphragm and fixed cable (1.2 m) for all non-aqueous acid/base titrations. The glass membrane is optimized for poorly conducting solutions, and thanks to the easy-to-clean easyClean diaphragm, the electrode is also well suited for heavily contaminated samples, such as used oil. This electrode can be used with non-aqueous reference electrolytes (lithium chloride or tetraethylammonium bromide). Storage in the respective reference electrolyte.

The Solvotrode easyClean is also available under the article number 6.0229.020 with a fixed cable length of 2.0 m.



2 PCS

6.1236.020

Sleeve with SGJ 14/12 mm

Sleeve with SGJ 14/12 mm and O-ring.



1 PCS

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

6.1459.300

Sample beaker, plastic (PP), 120 mL, 250 pieces

Sample beaker, plastic (polypropylene, PP), 120 mL, suitable for sample racks: 6.2041.470, 6.2041.840, 6.2041.850, 6.2068.010, 6.2068.020, 6.2068.030, and 6.9920.141, 250 pieces



1 PCS

6.1462.170

Robotic arm with holder for titration head and sensor for 786 Swing Head, right swinging

Titration head holder with beaker sensor for 786 Swing Head



1 PCS

6.1543.170

Aspiration tip / M8 thread

Aspiration tip for the Sample Processors.



1 PCS

6.1546.030

Piston tongs

For pistons for 807 Dosing Units or cylinder units OMNIS.



2 PCS

6.1608.023

Amber glass bottle / 1000 mL / GL 45

For Exchange Units. Bottle for auxiliary solutions.



2 PCS

6.1621.000

Container 10 L

As rinsing or waste container in automated systems.



3 PCS

6.1805.060

FEP tubing / M6 / 60 cm

With light and kink protection



2 PCS

6.1805.120

FEP tubing / M6 / 100 cm

With light and kink protection



1 PCS

6.1805.510

PTFE tubing / M8 / 60 cm

With protection against kinks.



2 PCS

6.1812.000

PTFE tubing 4 mm / 6 mm / 4 m



2 PCS

6.1820.050

M6 / Olive adapter

For 6.1826.100 pump tubing, to peristaltic pumps.



1 PCS 6.1826.160 Viton pump tubing

For peristaltic pumps.



2 PCS 6.1828.000 PVDF connection nipple

For 6.1621.000 canister.



1 PCS 6.1909.050 Stirring propeller / 102 mm

Propeller for 802 Stirrer when this is used with sample racks for 120 mL beakers (6.1459.300)



1 PCS 6.2001.120 Bottle holder base, right, to 855

Bottle holder base for assembly on the right next to the tower of the 855 Robotic Titrosampler.



1 PCS

6.2041.850

Sample rack, 59 x 120 mL, (PP)

Sample rack for 815 Robotic USB Sample Processor XL, 855 Robotic Titrosampler "Basic", suitable for 59 sample beakers. The following sample beakers can be used: 6.1459.300, 6.1459.307.

Plastic: Polyvinyl chloride (PVC)



1 PCS

6.2053.000

Cable clip

Cable clip for fastening cables and tubes

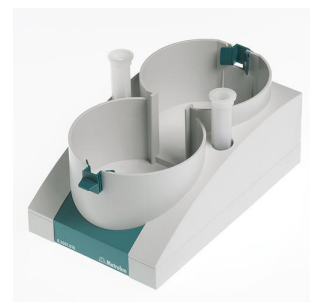


1 PCS

6.2061.010

Bottle holder for Dosinos

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



1 PCS

6.2151.000

Cable USB A – mini-DIN 8-pin

Controller cable



1 PCS

6.2320.000

TEABr 0.4 mol/L in ethylene glycol (250 mL)

Electrolyte solution TEABr (tetraethylammonium bromide in ethylene glycol), $c(\text{TEABr}) = 0.4 \text{ mol/L}$



1 PCS

6.2621.030

Hexagon key 4 mm



1 PCS

6.2621.070

5 mm hex key for IC Sample Processors



1 PCS

6.2621.130

Hexagon key 2 mm

2 mm.



1 PCS

6.2621.140

Hexagon key 2.5 mm



1 PCS

6.2711.070

Drip pan for 789/815/855

Drip pan for 789, 815, 855 Robotic Sample Processors XL



3 PCS

6.2740.020

Spray nozzle

For the fine-spraying of the rinsing solution.

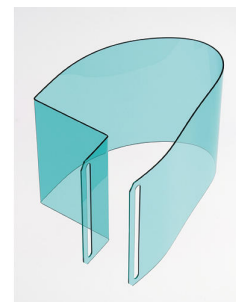


1 PCS

6.2751.100

Safety shield

Safety shield for Sample Processors with 786 Swing Head



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.



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.



2 PCS

1.800.0030

800 Dosino (cable length 1.5 m)

Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 1.5 m).



Optional accessories

Order no.	Description	
2.849.0010	849 Level Control Additional equipment for Sample Processors for monitoring the filling level of rinsing or waste canisters via Remote. Prevents pumps from running dry and/or canisters from overflowing and is suitable for use with aqueous solutions, solvents and suspensions.	
6.2148.010	Remote Box MSB Additional remote interface for the connection of devices that can be controlled via remote lines. With permanently attached cable.	
6.2840.000	Water bath for Robotic Sample Processors and Robotic Titrosampler Water bath rack for Robotic Sample Processors and Titrosampler.	

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



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.

