814 USB Sample Processor (1T/2P)

2.814.0020

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.

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 2.814.0020

Order Number	Description	Quantity
1.814.0020	**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.	1 PCS
6.1236.020	**Sleeve with SGJ 14/12 mm** Sleeve with SGJ 14/12 mm and O-ring.	2 PCS

6.1446.000 **SGJ stopper / B-14/(15)** 5 PCS

6.1446.010 **Stopper** 3 PCS

Used with Sample Changers

6.1446.160 **Thermometer stopper, B-14/15, oblique insertion** 1 PCS

To have the inserts of the 6.1458.010 titration head in a sloping position.

6.1543.170 **Aspiration tip / M8 thread** 1 PCS

Aspiration tip for the Sample Processors.

6.1621.000

Container 10 L 2 PCS

As rinsing or waste container in automated systems.

6.1805.110

FEP tubing / M6 / 80 cm 1 PCS

With light and kink protection

6.1805.420

FEP tubing / M6 / 48 cm 3 PCS

With light and kink protection

6.1805.510

PTFE tubing / M8 / 60 cm 1 PCS

With protection against kinks.

6.1812.000

PTFE tubing 4 mm / 6 mm / 4 m

2 PCS

6.1820.070

Coupling 4 mm / 6 mm / M8 inner

1 PCS

For extending aspiration tubing in automated systems. Connects the M8 aspiration tubing directly to the 6.1812.000 PTFE tubing.

6.1828.000

PVDF connection nipple

2 PCS

For 6.1621.000 canister.

6.2053.000

Cable clip

1 PCS

Cable clip for fastening cables and tubes

6.2151.000 **Cable USB A – mini-DIN 8-pin** 1 PCS

Controller cable

6.2621.030 **Hexagon key 4 mm** 1 PCS

6.2621.070 **5 mm hex key for IC Sample Processors** 1 PCS

6.2621.140 **Hexagon key 2.5 mm** 1 PCS

6.2709.070

Guiding sleeve 3 PCS

For fixation of buret and dosing tips in titration heads and electrode holders

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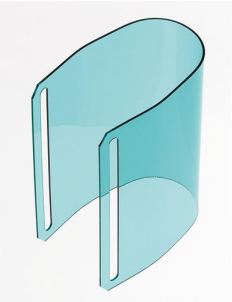
6.2740.020

Spray nozzle 3 PCS

For the fine-spraying of the rinsing solution.

6.2751.080



Safety shield 1 PCS

Safety shield for single-tower Sample Processors without 786 Swing Head.

Optional accessories

2.741.0010
741 Magnetic Stirrer

Magnetic stirrer for sample changers.
The magnetic stirrer is located beneath the sample rack.

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.

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.

6.1458.010
Titration head, 6 x SGJ 14 and 3 x SGJ 9 openings.

With 6xSGJ 14 and 3x SGJ 9 openings.

6.1458.020
Titration head /4 x M10 connectors

With 4 M10 screw nipples, including stoppers.

6.1458.030
KF titration head /4 x M10 connectors

With 4 M10 screw nipples, including stoppers.

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.

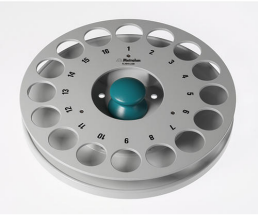
6.1458.070
Titration head / 2 x SGJ 14

Titration head for 75 mL beakers. With 2 openings SGJ 14, 2 openings 6.4 mm, and 3 pre-mounted dosing tips. Suitable for rinsing and aspiration equipment.

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)

6.2041.320
Sample rack, 16 x 150 mL, (PVC)



Sample rack for 810 Sample Processor, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 16 sample beakers. The following sample beakers can be used: 150 mL beaker (tall).
Plastic: Polyvinyl chloride (PVC)

6.2041.340
Sample rack, 24 x 75 mL, (PVC)

Sample rack for 810 Sample Processor, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 24 sample beakers. The following sample beakers can be used: 6.1432.210, 6.1459.400.
Plastic: Polyvinyl chloride (PVC)

6.2041.360
Sample rack, 12 x 150 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: 150 mL beaker (tall), 6.1459.310.
Plastic: Polyvinyl chloride (PVC)

6.2041.370
Sample rack, 14 x 200 mL, (PVC)

Sample rack for 810 Sample Processor, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 14 sample beakers. The following sample beakers can be used: 6.1459.310.
Plastic: Polyvinyl chloride (PVC)

6.2041.380
Sample rack, 14 x 235 mL (PVC)

Sample rack for 810 Sample Changer, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 14 sample beakers. The following sample beakers can be used: 235 mL (8 oz).
Plastic: Polyvinyl chloride (PVC)

6.2041.390
Sample rack, 16 x 100 mL, (PVC)

Sample rack for 810 Sample Changer, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 16 sample beakers. The following sample beakers can be used: 100 mL beakers, short.
Plastic: Polyvinyl chloride (PVC)

6.2041.460
Sample rack, 21 x 100 mL, (PVC)

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)

6.2041.470
Sample rack, 22 x 120 mL, (PP)

Sample rack for 810 Sample Changer, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 22 sample beakers. The following sample beakers can be used: 6.1459.300, 6.1459.307.
Plastic: Polypropylene (PP)

6.2058.110
Tower extension for Sample Processors

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

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.

6.2711.060
Drip pan for 778/810/814 /838/858 Sample Processors

Drip pan for 778, 810, 814, 838, 858 Sample Processors

6.06000.000
OMNIS Software storage device

OMNIS
A WHOLE NEW LEVEL OF PERFORMANCE

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

OMNIS
A WHOLE NEW LEVEL OF PERFORMANCE

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.

6.2041.780

Sample rack 65 x 11 mL + 25 x 50 mL

Multi-row sample rack for 65 samples in 11 mL sample vessels (6.2743.050) and 25 samples in 50 mL sample vessels (6.02743.030)