# 814 USB Sample Processor (1T/1P)

2.814.0010

USB Sample Processor with one workstation and one built-in membrane pump for the automatic processing of routine samples in series with small to medium quantities. In addition to the built-in pump, an additional one (membrane or peristaltic) and 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 2.814.0010

| Order Number | Description | Quantity |
|---|---|---|
| 1.814.0010 | **814 USB Sample Processor (1T/1P)**<br><br>USB Sample Processor with one workstation and one built-in membrane pump for the automatic processing of routine samples in series with small to medium quantities. In addition to the built-in pump, an additional one (membrane or peristaltic) and up to three dosing devices for Liquid Handling tasks can be connected.<br><br>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**<br><br>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

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6.1621.000

**Container 10 L**

1 PCS

As rinsing or waste container in automated systems.

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6.1805.110

**FEP tubing / M6 / 80 cm**

1 PCS

With light and kink protection

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6.1805.420

**FEP tubing / M6 / 48 cm**

3 PCS

With light and kink protection

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6.1812.000 **PTFE tubing 4 mm / 6 mm / 4 m** 1 PCS

6.1828.000 **PVDF connection nipple** 1 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

6.2740.020

**Spray nozzle** 3 PCS

For the fine-spraying of the rinsing solution.

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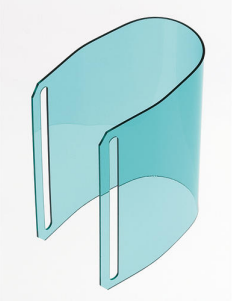
6.2751.080



**Safety shield** 1 PCS

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

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## Optional accessories

2.741.0010
**741 Magnetic Stirrer**

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

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2.772.0120
**772 Pump Unit – aspirate**

Peristaltic pump for direct connection to Sample Processors. The "Aspiration" version contains extensive accessories for the aspiration of titered-out solutions.

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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.

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2.823.0020
**823 Membrane Pump Unit «aspirate»**

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

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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.

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

With 6xSGJ 14 and 3x SGJ 9 openings.

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6.1458.020
**Titration head /4 x M10 connectors**

With 4 M10 screw nipples, including stoppers.

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6.1458.030
**KF titration head /4 x M10 connectors**

With 4 M10 screw nipples, including stoppers.

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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.

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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.

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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)

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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)

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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)

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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)

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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)

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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)

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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)

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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)

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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)

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6.2058.110
**Tower extension for Sample Processors**

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

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6.2141.300
**Remote cable 843 Pump Station to Sample Processor**

Remote cable for the direct connection of the 843 Pump Station to the pump connectors of the Sample Processors

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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.

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

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

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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

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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.

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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)