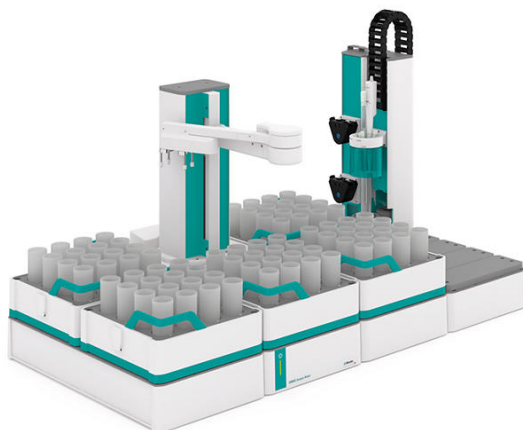




OMNIS Sample Robot M Pick&Place

2.1011.1010

OMNIS Sample Robot M with a "Peristaltic" (4-channel) pump module and a Pick&Place module in addition to extensive accessories for the direct transition to fully automatic titration. The system provides space in five sample racks for 80 sample beakers of 120 mL each.

The system can be extended upon request to include up to four peristaltic pumps and three additional Pick&Place modules, thus quadrupling the throughput. If even more samples are to be placed on the Sample Robot, then this Sample Robot can be expanded to become an L-sized OMNIS Sample Robot, thus enabling 112 samples to be processed in parallel on up to four Pick&Place modules and thus guaranteeing long and interruption-free operation.

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 2.1011.1010

Qt.	Order no.	Description
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Rod stirrer with permanently mounted cable (2.5 m) for direct connection to the OMNIS Sample Robot.



Main module for setting up an OMNIS Sample Robot Pick&Place in size M. This module is equipped with the main lift and one gripper. One M/L module base and one rack base are each required to complete the setup. It must be equipped with sample racks, gripper fingers and workstations, e.g., Pick&Place module or a pump module in order to use it to set up a functioning Sample Robot. The selection of these components proceeds in accordance with the application.



Module for installation in the module plate of the Pick&Place of the OMNIS Sample Robot. This workstation takes up the sample beaker for the analysis. Used sensors are cleaned or parked in the storage beaker of the Pick&Place module between analyses. If stirring is required during the analysis, then a separate rod stirrer must be used for this workstation.



Module for installation in the module plate of the Pick&Place of the OMNIS Sample Robot. This workstation is equipped with two rinsing pumps and two aspiration pumps each. They are used to clean the sensors in two Pick&Place modules and to empty the sample beaker after the analysis before it is placed back in the rack once again.



2 PCS

6.2709.070

Guiding sleeve

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



2 PCS

6.01803.000

Silicone tubing 8/12 2.5 m

Silicone tubing for connecting to the drainage of the Pick&Place module or pump module in order to channel any solution overflows that may occur safely into the waste canister.

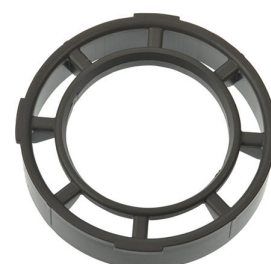


2 PCS

6.01404.030

Beaker adapter for OMNIS 120 mL sample beaker

Beaker adapter for centering the 120 mL sample beaker in the slide of the Pick&Place modules



1 PCS

6.01403.030

Titration head 3xNS14 / 4x6.4 mm (P&P)

Titration head with 3 NS14 and 4x 6.4 mm openings for using 120 mL beakers in Pick&Place modules of the OMNIS Sample Robot Pick&Place with two retracted dosing tips. Prepared for being equipped with rinsing and aspiration tubing.

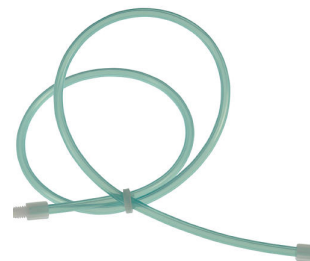


6 PCS

6.01805.000

FEP tubing connection / M6 / 66.5 cm

With light protection and protection against kinks.



5 PCS

6.01400.200

Sample beakers, plastic (PP), 120 mL, 20 pieces

Sample beakers, plastic (polypropylene, PP), 120 mL, suitable for 602041030 OMNIS sample rack, 20 pieces.



2 PCS

6.01543.100

Aspiration tip automation

Aspiration tip for automated OMNIS titrations.

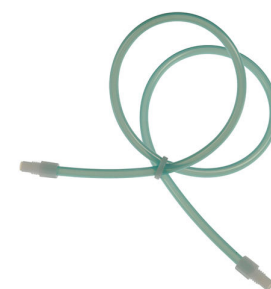


2 PCS

6.01805.010

PTFE tubing connection / M8 / 66.5 cm

With light protection and protection against kinks.



1 PCS

6.01900.030

Stirring propeller 20 mm ETFE

Stirring propeller, 20 mm, with adjustable height for use with Rod Stirrer "Titrator" or Rod Stirrer "Sample Robot"



4 PCS

6.1621.000

Container 10 L

As rinsing or waste container in automated systems.



5 PCS

6.02041.030

OMNIS sample rack, 16 x 120 mL, (PP)

OMNIS sample rack for OMNIS Sample Robot Pick&Place, suitable for 16 sample beakers. The following sample beakers can be used: 6.01400.200, 6.01400.300, 6.01400.303.

Plastic: Polypropylene (PP)



4 PCS

6.1621.100

Cap for 10-L container

Cap for 10-L container. For easy and safe transportation of filled containers.



1 PCS

6.02601.010

Gripper fingers 43 - 65 mm

Gripper fingers for OMNIS Sample Robot Pick&Place for gripping sample beakers with an outer diameter of 43 to 65 mm.



1 PCS

6.02003.010

Module base M/L

Module base for extending the main modules M and L to the OMNIS Sample Robot.



1 PCS

6.02001.010

Rack base

Rack base for extending the main modules to the OMNIS Sample Robot



6 PCS

6.2740.020

Spray nozzle

For the fine-spraying of the rinsing solution.



The accessory set contains all of the components required for the tube connections between a rinsing pump and an aspiration pump at the "Peristaltic" pump module. In addition to preassembled tubing with Luer connectors, each of these also includes two press clamps and pump tubing.



Optional accessories

Order no.	Description	
6.05800.020	Upgrade Sample Robot M to L	
	The set contains all of the components required for the upgrade of an already existing OMNIS Sample Robot from size M to size L. Apart from the required rack and module bases, all the required cables, screws, arm extensions as well as the function license are included.	
6.02700.000	Safety shield for Pick&Place module	
	Safety shield for Pick&Place modules	
6.01400.300	Sample beakers, clear glass, 120 mL, 20 pieces	
	Sample beakers, clear glass, 120 mL, suitable for 602041030 OMNIS sample rack, 20 pieces.	
6.01400.303	Sample beakers, amber glass, 120 mL, 20 pieces	
	Sample beakers, amber glass, 120 mL, suitable for 602041030 OMNIS sample rack, 20 pieces	

6.05700.000 Consumable Kit OMNIS Gripper

Four slide sleeves and rubber gripper fingers each for replacement on the gripper finger of the OMNIS Sample Robot.



6.05700.010 Consumable Kit OMNIS Pump Module (2-channel)

Two pump tubings each and associated press clamps for replacement in the OMNIS pump module. One Consumable Kit can be used for re-equipping two peristaltic pumps of the pump module.



6.1828.000 PVDF connection nipple

For 6.1621.000 canister.

