Power Pack Heavy Metals (Automated)

2.797.3110

The ideal solution for the completely automated determination of the concentration of the critical heavy metals in all types of water-vapor circulation in thermal power generating stations by means of voltammetry in small sample series. The 797 VA Computrace in combination with the 863 Compact VA Autosampler permits the automatic processing of up to 18 samples. The addition of auxiliary and standard solutions for calibration is accomplished with the aid of three dosing systems of the 800 Dosino type. An 843 Pump Station ensures carry-over-free analysis results, thanks to which the measuring vessel is rinsed after each sample. The system is the optimum solution for water samples in which one or two analytes are to be determined.

Our promotion offer for orders placed by June 30, 2014: During the promotion period, Metrohm will give you an 800 Dosino for free, which makes the addition of auxiliary or standard solutions even more flexible, as well as an 827 pH Lab for measuring the pH value in your sample or for setting the pH value of the measurement solution as needed.

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 2.797.3110

Order Number	Description	Quantity
1.797.0010	**797 VA Computrace for trace analysis** The 797 VA Computrace is a modern voltammetric measuring stand that is connected to a PC via a USB port. The computer software provided controls the measurement, records the measured data and evaluates it. Operation is most straightforward due to the well-laid-out structure of the program. The integrated potentiostat with galvanostat guarantees the highest sensitivity with reduced noise. Voltammetry system for trace analysis and education. Complete accessories with VA Computrace software and all electrodes for a complete measurement system: Multi-Mode Electrode pro (MME pro), Ag/AgCl reference electrode and Pt auxiliary electrode.	1 PCS
6.6053.030	**797 VA Computrace Software CD 1.3** Control and evaluation software for 797 VA Computrace. For the following operating systems: Windows ® 2000, Windows ® XP Professional, Windows ® Vista (32-bit) and Windows ® 7 (32-bit).	1 PCS

1.843.0020

843 Pump Station (membrane) 1 PCS

The 843 Pump Station (membrane) has two built-in membrane pumps. These can be controlled directly via the interface using remote signals or manually by pressing a button.

1.863.0010

863 Compact IC Autosampler 1 PCS

The 863 Compact IC Autosampler is the ideal help for routine analysis. It enables automation of the full range of Metrohm IC instruments.

6.1204.200

Stirrer for VA Stand 1 PCS

Stirrer for VA Stand, complete, metal-free

6.1226.030

Mercury drop capillary (non-silanized) for MME 1 PCS

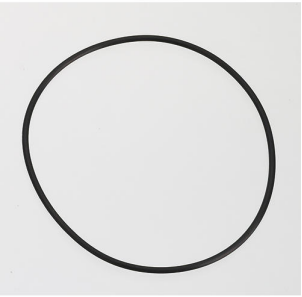
Non-silanized mercury drop capillary (10 pieces)

6.1226.050

Mercury drop capillary (silanized) for MME 1 PCS

Silanized mercury drop capillary (10 pieces)

6.1244.020



Driving belt 1 PCS

For Rotating Disk Electrodes and stirrer in VA Stands (3 pieces).

6.1245.010

Electrolyte vessel made of plastic 1 PCS

Electrolyte vessel made of plastic with ceramic diaphragm for double junction reference electrode.

6.1247.020

Needles for MME 1 PCS

Needles for Multi Mode Electrode (3 pieces).

6.1415.210 **Titration vessel / 10-90 mL** 1 PCS

6.1446.040 **Threaded stopper / M6** 11 PCS

6.1456.210 **Measuring vessel / 10-90 mL** 1 PCS

Measuring vessel for automated VA systems. Dilution vessel for Advanced IC Sample Processor

6.1546.030 **Piston tongs** 3 PCS

For pistons for 807 Dosing Units or cylinder units OMNIS.

6.1602.115

Bottle attachment / S 40 / green 1 PCS

For direct dosing from reagent bottles with S 40 thread (Merck...).

6.1608.050

Drying bottle / 100 mL / GL 45 2 PCS

6.1608.090

Bottle / 250 mL / GL 45 1 PCS

6.1618.060

Thread adapter GL 45 to GL 45 3 PCS

Thread adapter GL45 to GL45; e.g. for reagent bottles with extended flange

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6.1621.000

Container 10 L

2 PCS

As rinsing or waste container in automated systems.

6.1801.080

Tubing for nitrogen connection

1 PCS

For supplying gas to voltammetry instruments

6.1805.020

FEP tubing / M6 / 52 cm

2 PCS

With light and kink protection

6.1805.100

FEP tubing / M6 / 40 cm

1 PCS

With light and kink protection

6.1805.120

FEP tubing / M6 / 100 cm

1 PCS

With light and kink protection

6.1805.180

FEP tubing / M6 / 16 cm

1 PCS

With light and kink protection

6.1805.530

FEP tubing / M6 / 2 m

4 PCS

With light and kink protection

6.1808.000

Connection bushing M6

5 PCS

6.1819.010

PTFE tube 3 PCS

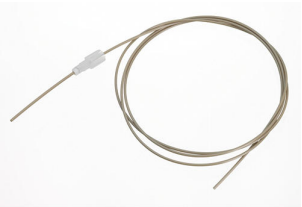
As gas inlet in washing bottle of VA Stand

6.1820.010

Adapter for 1/8" gas line/M6 thread 4 PCS

For connecting a 1/8" gas line to an M6 thread.

6.1822.410



PEEK connection capillary 1 PCS

Connection capillary for sample transfer with sample changers, 1 x M6, inner diameter 0.5 mm, for trace analysis

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6.1824.000

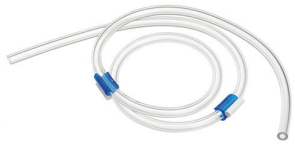
Four-way micro dosing tip 1 PCS

With 4 x M6 thread. For VA measuring stands.

6.1826.020

PVC pump tubing (blue/blue) 2 PCS

For online IC instruments and automation in voltammetry.



6.1828.020

Five-way M6 tubing connector for canister 1 PCS

For connecting up to 5 tubings

6.1829.020

FEP aspiration tube M6, 0.5 m 1 PCS

For Dosing Unit

6.1831.050

PEEK capillary 0.5 mm i.d., 40 cm 1 PCS

For inline dialysis and for sample changers. For IC Dialysis Unit, IC Sample Processor, Compact IC Autosampler, IC Dialysis Sample Processor, IC Liquid Handling Dialysis Unit, Compact VA Autosampler

6.2013.010

Clamping ring 1 PCS

For support rods with a diameter of 10 mm.

6.2016.050

Support rod / 300 mm 1 PCS

6.2021.020

Electrode holder 1 PCS

Electrode holder for 4 electrodes and 2 buret tips

6.2055.100

Bottle holder, double 2 PCS

Bottle holder for 2 x 1 L bottles. For 6.5617.000 aspiration equipment

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6.2141.230

Remote cable Compact Sample Changer/Compact Autosampler - Titrino plus/Pump Station 1 PCS

Cable for the remote connection between Compact Sample Changer/Compact Autosampler and Titrino plus and/or Pump Station.

6.2141.280

Connection cable 843 Pump Station to 797 VA Computrace 1 PCS

Cable for the remote connection of the 797 VA Computrace with the 843 Pump Station.

6.2151.020

Cable USB A - USB B 1.8 m 1 PCS

USB connecting cable

6.2151.100

Adapter USB MINI (OTG) - USB A 1 PCS

For connecting USB instruments.

6.2161.010

Plug-in power supply unit EU 230V /6V DC 1 PCS

Power supply for 827 pH lab

6.2308.020

Electrolyte 3 mol/L KCl (250 mL) 1 PCS

Electrolyte solution c(KCl) = 3 mol/L, (for Ag/AgCl reference systems)

6.2406.000

Mercury drop catcher 1 PCS

Silver wire (to capture mercury drops by amalgamation)

6.2621.000

Adjustable wrench

1 PCS

Max. opening: 20 mm. For IC instruments

6.2621.070

5 mm hex key for IC Sample Processors

1 PCS

6.2621.090

1/2 in. wrench

1 PCS

For 1/2 in. screws. For IC Sample Processors

6.2621.130

Hexagon key 2 mm

1 PCS

2 mm.

6.2621.140 **Hexagon key 2.5 mm** 1 PCS

6.2703.000 **Stand ring for titration vessels** 1 PCS

6.2709.080 **Stopper for pipetting opening** 1 PCS

For 694, 747 VA Stands and VA Computrace

6.2711.030 **Tray for filling the MME** 1 PCS

For 884 Professional VA, 797 VA Computrace, 757 VA Computrace and 647, 663, 694, 747 VA Stands

6.2711.040 **Drip pan for VA Computrace** 1 PCS

6.2739.000 **Wrench** 2 PCS

For tightening connectors

6.2743.057 **Sample vessel 11 mL** 1 PCS

200 pieces. For IC Sample Processors and VA Autosamplers.
The IC sample vessels are made of polypropylene (PP) plastic for health-care applications. Production and packaging both take place under sterile and clean room conditions (Clean Room Class 7, in accordance with DIN ISO 14644). This guarantees minimal degrees of contamination. The sample vessels are subjected to random checks for leachable anions and cations.

6.2744.070 **Pressure screw short** 1 PCS

Short version. With UNF 10/32 connection. 5 pieces. For the connection of PEEK capillaries

6.2744.160

Nozzle/UNF 10/32 coupling with security device 2 PCS

Security device for connecting pump tubing to a nozzle.

6.2816.020

Syringe 10 mL with Luer connection 1 PCS

For various applications in IC and VA

6.2816.030

Needle with Luer connector 1 PCS

Needle for filling in mercury into the Multi-Mode Electrode and for sample addition in Karl Fischer titration.

6.2833.030

Needle holder 1/8 in. for 863 Compact Autosampler 1 PCS

Needle holder 1/8 in. for 863 Compact Autosampler

6.2846.000

Sample needle made of zirconium oxide 1 PCS

Sample needle for Sample Processors and Autosamplers in voltammetry.

6.3032.120

807 Dosing Unit 2 mL 2 PCS

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.

6.3032.150

807 Dosing Unit 5 mL 1 PCS

807 Dosing Unit with integrated data chip with 5 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.

6.1246.120

Multi-Mode Electrode pro 1 PCS

Mercury electrode for voltammetry. Can be operated as DME, SMDE or HMDE.