



## 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

| Qt. | Order no. | Description |
|-----|-----------|-------------|
|-----|-----------|-------------|

|       |            |                                      |
|-------|------------|--------------------------------------|
| 1 PCS | 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) |
|-------|------------|-----------------------------|

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 PCS | 1.863.0010 | 863 Compact IC Autosampler |
|-------|------------|----------------------------|

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



1 PCS      6.1204.200      Stirrer for VA Stand  
Stirrer for VA Stand, complete, metal-free



---

1 PCS      6.1226.030      Mercury drop capillary (non-silanized) for MME  
Non-silanized mercury drop capillary (10 pieces)



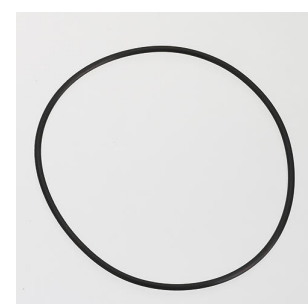
---

1 PCS      6.1226.050      Mercury drop capillary (silanized) for MME  
Silanized mercury drop capillary (10 pieces)



---

1 PCS      6.1244.020      Driving belt  
For Rotating Disk Electrodes and stirrer in VA Stands (3 pieces).



1 PCS

6.1245.010

Electrolyte vessel made of plastic

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



---

1 PCS

6.1247.020

Needles for MME

Needles for Multi Mode Electrode (3 pieces).



---

1 PCS

6.1415.210

Titration vessel / 10-90 mL



---

11 PCS

6.1446.040

Threaded stopper / M6



1 PCS

6.1456.210

Measuring vessel / 10-90 mL

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



3 PCS

6.1546.030

Piston tongs

For pistons for 807 Dosing Units or cylinder units OMNIS.



1 PCS

6.1602.115

Bottle attachment / S 40 / green

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



2 PCS

6.1608.050

Drying bottle / 100 mL / GL 45



1 PCS

6.1608.090

Bottle / 250 mL / GL 45



---

3 PCS

6.1618.060

Thread adapter GL 45 to GL 45

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



---

2 PCS

6.1621.000

Container 10 L

As rinsing or waste container in automated systems.



---

1 PCS

6.1801.080

Tubing for nitrogen connection

For supplying gas to voltammetry instruments



2 PCS                      6.1805.020                      FEP tubing / M6 / 52 cm  
With light and kink protection



---

1 PCS                      6.1805.100                      FEP tubing / M6 / 40 cm  
With light and kink protection



---

1 PCS                      6.1805.120                      FEP tubing / M6 / 100 cm  
With light and kink protection



---

1 PCS                      6.1805.180                      FEP tubing / M6 / 16 cm  
With light and kink protection



4 PCS                      6.1805.530                      FEP tubing / M6 / 2 m  
With light and kink protection



---

5 PCS                      6.1808.000                      Connection bushing M6



---

3 PCS                      6.1819.010                      PTFE tube  
As gas inlet in washing bottle of VA Stand



---

4 PCS                      6.1820.010                      Adapter for 1/8" gas line/M6 thread  
  
For connecting a 1/8" gas line to an M6 thread.



1 PCS

6.1822.410

PEEK connection capillary

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



---

1 PCS

6.1824.000

Four-way micro dosing tip

With 4 x M6 thread. For VA measuring stands.



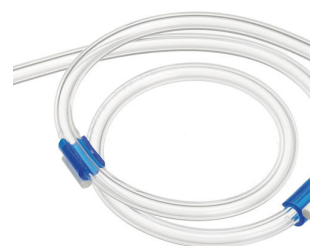
---

2 PCS

6.1826.020

PVC pump tubing (blue/blue)

For online IC instruments and automation in voltammetry.



---

1 PCS

6.1828.020

Five-way M6 tubing connector for canister

For connecting up to 5 tubings



1 PCS

6.1829.020

FEP aspiration tube M6, 0.5 m

For Dosing Unit



1 PCS

6.1831.050

PEEK capillary 0.5 mm i.d., 40 cm

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



1 PCS

6.2013.010

Clamping ring

For support rods with a diameter of 10 mm.



1 PCS

6.2016.050

Support rod / 300 mm



1 PCS

6.2021.020

Electrode holder

Electrode holder for 4 electrodes and 2 buret tips



---

2 PCS

6.2055.100

Bottle holder, double

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



---

1 PCS

6.2141.230

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

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



---

1 PCS

6.2141.280

Connection cable 843 Pump Station to 797 VA Computrace

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



1 PCS

6.2151.020

Cable USB A - USB B 1.8 m

USB connecting cable



---

1 PCS

6.2151.100

Adapter USB MINI (OTG) - USB A

For connecting USB instruments.



---

1 PCS

6.2161.010

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

Power supply for 827 pH lab



---

1 PCS

6.2308.020

Electrolyte 3 mol/L KCl (250 mL)

Electrolyte solution  $c(\text{KCl}) = 3 \text{ mol/L}$ , (for Ag/AgCl reference systems)



1 PCS

6.2406.000

Mercury drop catcher

Silver wire (to capture mercury drops by amalgamation)



---

1 PCS

6.2621.000

Adjustable wrench

Max. opening: 20 mm. For IC instruments



---

1 PCS

6.2621.070

5 mm hex key for IC Sample Processors



---

1 PCS

6.2621.090

1/2 in. wrench

For 1/2 in. screws. 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      6.2703.000      Stand ring for titration vessels



---

1 PCS      6.2709.080      Stopper for pipetting opening  
For 694, 747 VA Stands and VA Computrace



1 PCS

6.2711.030

Tray for filling the MME

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



---

1 PCS

6.2711.040

Drip pan for VA Computrace



---

2 PCS

6.2739.000

Wrench

For tightening connectors



---

1 PCS

6.2743.057

Sample vessel 11 mL

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.



1 PCS

6.2744.070

Pressure screw short

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

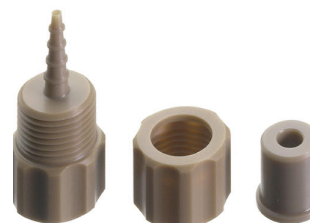


2 PCS

6.2744.160

Nozzle/UNF 10/32 coupling with security device

Security device for connecting pump tubing to a nozzle.



1 PCS

6.2816.020

Syringe 10 mL with Luer connection

For various applications in IC and VA



1 PCS

6.2816.030

Needle with Luer connector

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



1 PCS

6.2833.030

Needle holder 1/8 in. for 863 Compact Autosampler

Needle holder 1/8 in. for 863 Compact Autosampler



1 PCS

6.2846.000

Sample needle made of zirconium oxide

Sample needle for Sample Processors and Autosamplers in voltammetry.



2 PCS

6.3032.120

807 Dosing Unit 2 mL

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.



1 PCS

6.3032.150

807 Dosing Unit 5 mL

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.



1 PCS

6.1246.120

Multi-Mode Electrode pro

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

