




Accessories for MVA-22

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 MVA-22

Qty.	Order no.	Description	
1 pcs	2.843.0240	843 Membrane Pump Station for Professional VA/CVS systems	
		<p>The 843 Membrane Pump Station enables the automatic rinsing and emptying of the measuring vessel in partly automated and fully automated Professional VA and CVS systems. It has two built-in membrane pumps that can be controlled via the remote signal.</p> <p>The versions for VA and CVS are equipped with the complete accessories for the automatic rinsing and emptying of the measuring vessel.</p>	
1 pcs	2.884.1110	884 Professional VA semiautomated for MME	
		<p>884 Professional VA semi-automated for MME is a convenient high-end routine analyzer for trace determinations with voltammetry and polarography with the Multi-Mode Electrode pro or the scTRACE Gold. The proven Metrohm electrode methods in combination with a completely new design of potentiostat/galvanostat and the extremely high-performance viva software opens up new perspectives for the determination of heavy metals. The potentiostat with a certified calibrator readjusts itself automatically before each measurement, thus guaranteeing maximum precision.</p> <p>Determinations with rotating disc electrodes can also be performed with the instrument, e.g. determinations of organic additives in electroplating baths with "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and chronopotentiometry (CP). The replaceable measuring head enables rapid changes between various applications with different electrodes.</p> <p>Two 800 Dosinos (supplied) permit the automatic addition of auxiliary solutions during the determination, e.g., electrolyte, buffer or standard solutions.</p> <p>The viva software is required for control, data acquisition, and evaluation.</p> <p>The 884 Professional VA semi-automated for MME is supplied with extensive accessories and a measuring head for the Multi-Mode Electrode pro. Electrode set and viva license need to be ordered separately.</p>	
1 pcs	2.919.0130	919 IC Autosampler plus for VA	
		<p>The 919 IC Autosampler plus for VA is suitable for small sample series of fully automatic trace determinations of heavy metals using polarography and voltammetry together with Professional VA instruments and viva. The system is controlled directly by the viva software and permits automatic changes of method between different types of determinations. The sample rack supplied holds 28 samples with a maximum size of 10 mL.</p> <p>The 919 IC Autosampler plus for VA is supplied with accessories, sample rack, and connection cable so you can set up a complete workplace, although it does not come with rinsing equipment.</p>	







1 pcs **6.1456.210** **Measuring vessel / 10-90 mL**
Measuring vessel for automated VA systems. Dilution vessel for Advanced IC Sample Processor



1 pcs **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



Optional accessories

Order no.	Description	
2.800.0020	800 Dosino Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 0.65 m).	
2.846.0010	846 Dosing Interface USB-capable control unit for connecting a maximum of four 800 Dosinos or 805 Dosimats for dosing and Liquid Handling tasks. A Touch Control or the connection to a PC with tiamo™ , MagIC Net, viva or 797 VA Computrace is required for operation.	
6.1256.010	RDE measuring head for Professional VA/CVS instruments Measuring head for operation with rotating disk electrodes.	
6.5339.000	CVS electrode equipment with 1 mm platinum electrode for Professional VA/CVS instruments Complete electrode set for the determination of organic additives in electroplating baths with CVS (Cyclic Voltammetric Stripping). Contains rotating platinum working electrode (electrode diameter: 1 mm), reference electrode, platinum auxiliary electrode, measuring vessels and electrolyte solutions.	
6.5339.010	CVS electrode equipment with 2 mm platinum electrode for Professional VA/CVS instruments Complete electrode set for the determination of organic additives in electroplating baths with CVS (Cyclic Voltammetric Stripping). Contains rotating platinum working electrode (electrode diameter: 2 mm), reference electrode, platinum auxiliary electrode, measuring vessels and electrolyte solutions.	
6.5339.020	CVS electrode equipment with 3 mm platinum electrode for Professional VA/CVS instruments Complete electrode set for the determination of organic additives in electroplating baths with CVS (Cyclic Voltammetric Stripping). Contains rotating platinum working electrode (electrode diameter: 3 mm), reference electrode, platinum auxiliary electrode, measuring vessels and electrolyte solutions.	

6.5339.030 VA electrode equipment with Multi-Mode Electrode pro for Professional VA instruments

Complete electrode set for polarographic and voltammetric determinations. Includes Multi-Mode Electrode pro, reference electrode, platinum auxiliary electrode, measuring vessel, stirrer, electrolyte solution and additional accessories for setting up and operating the Multi-Mode Electrode.



6.5339.040 VA electrode equipment with rotating disk electrode (RDE) made of glassy carbon for Professional VA instruments

Complete electrode set for voltammetric determinations, e.g. using mercury film method. Includes drive for rotating disk electrode, glassy carbon electrode tip, reference electrode, glassy carbon auxiliary electrode, measuring vessel, and electrolyte solution.



6.5339.050 VA electrode equipment with scTRACE Gold for Professional VA instruments

Complete electrode set for the determination of arsenic or mercury. Includes holders for scTRACE Gold, scTRACE Gold, stirrer and measuring vessel.



6.5339.060 CVS electrode equipment with 2 mm platinum electrode for Professional VA/CVS instruments for intensive use

Complete electrode set for the determination of organic additives in electroplating baths with CVS (Cyclic Voltammetric Stripping). Contains rotating platinum working electrode (electrode diameter: 2 mm), driving axle with mercury contact, maintenance-free gel reference electrode, platinum auxiliary electrode, measuring vessels and KCl electrolyte solution.



6.5339.500 Equipment with 2 dosing units for VA and CVS measurements

Accessory set for two auxiliary solutions for expanding VA or CVS systems. Contains two 2 mL dosing units, two 100 mL clear glass bottles, bottle holder for two bottles and connector material. Without Dosinos.



6.6065.202 viva 2.0 Full CD: 1 license

Computer program for control and data management of Professional VA/CVS instruments. The software permits checks, data acquisition, evaluation, and monitoring, as well as report generation.

Graphic user interface for routine operations, extensive database programs with reevaluation, graphic method editor with numerous templates, system configuration, very flexible user administration, extensive data export functions, individually configurable report generator.

Includes the measuring modes "Differential Pulse" (DP), "Square Wave" (SQW), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP). The following calibration techniques are supported: standard addition, external calibration, DT (Dilution Titration), LAT (Linear Approximation Technique), MLAT (Modified Linear Approximation Technique), RC (Response Curve).

Dialog languages: German, English, Chinese.

The following instruments are supported:
884 Professional VA, 894 Professional CVS

1 license for a maximum of 4 Professional VA/CVS instruments on a single PC.



6.6065.203 viva 2.0 Multi CD: 3 licenses

Client/server-compatible computer program for control and data management of Professional VA/CVS instruments. The software permits checks, data acquisition, evaluation, and monitoring, as well as report generation.

Graphic user interface for routine operations, extensive database programs with reevaluation, graphic method editor with numerous templates, system configuration, very flexible user administration, extensive data export functions, individually configurable report generator.

Includes the measuring modes "Differential Pulse" (DP), "Square Wave" (SQW), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP). The following calibration techniques are supported: standard addition, external calibration, DT (Dilution Titration), LAT (Linear Approximation Technique), MLAT (Modified Linear Approximation Technique), RC (Response Curve).

Dialog languages: German, English, Chinese.

The following instruments are supported:
884 Professional VA, 894 Professional CVS

Client/server version with 3 licenses for 3 PCs with a maximum of 4 Professional VA/CVS instruments per PC.



6.6065.212 viva 2.1 Full CD: 1 license

Computer program for control and data management of Professional VA/CVS instruments. The software permits checks, data acquisition, evaluation, and monitoring, as well as report generation.

Graphic user interface for routine operations, extensive database programs with reevaluation, graphic method editor with numerous templates, system configuration, very flexible user administration, extensive data export functions, individually configurable report generator.

Includes the measuring modes "Differential Pulse" (DP), "Square Wave" (SQW), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP). The following calibration techniques are supported: standard addition, external calibration, DT (Dilution Titration), LAT (Linear Approximation Technique), MLAT (Modified Linear Approximation Technique), RC (Response Curve).

Dialog languages: German, English, Chinese.

The following instruments are supported:
884 Professional VA, 894 Professional CVS

1 license for a maximum of 4 Professional VA/CVS instruments on a single PC.



6.6065.213 viva 2.1 Multi CD: 3 licenses

Client/server-compatible computer program for control and data management of Professional VA/CVS instruments. The software permits checks, data acquisition, evaluation, and monitoring, as well as report generation.

Graphic user interface for routine operations, extensive database programs with reevaluation, graphic method editor with numerous templates, system configuration, very flexible user administration, extensive data export functions, individually configurable report generator.

Includes the measuring modes "Differential Pulse" (DP), "Square Wave" (SQW), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP). The following calibration techniques are supported: standard addition, external calibration, DT (Dilution Titration), LAT (Linear Approximation Technique), MLAT (Modified Linear Approximation Technique), RC (Response Curve).

Dialog languages: German, English, Chinese.

The following instruments are supported:
884 Professional VA, 894 Professional CVS

Client/server version with 3 licenses for 3 PCs with a maximum of 4 Professional VA/CVS instruments per PC.

