



884 Professional VA fully automated for the determination of antioxidants

MVA-25

Automated analysis system for the voltammetric determination of antioxidants in lubricants, including automatic sample preparation on the sample changer. Comprising 884 Professional VA, 858 Professional Sample Processor for antioxidants, 2x 800 Dosinos, 843 Pump Station, measuring head for rotating disk electrodes, and extensive accessories. For sample series of up to 24 samples.

The viva software is required for control, data collection, and evaluation. PC, electrode set, and viva license need to be ordered separately.

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-25

Qt.	Order no.	Description
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884 Professional VA is the universal entry-level instrument in the Professional VA/CVS instrument series. In conjunction with the compatible measuring head and compatible electrode set, you can perform trace analysis determinations with voltammetry and polarography using the Multi-Mode Electrode pro, the scTRACE Gold, the Bismuth drop electrode or determinations of organic additives in electroplating baths, with "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and chronopotentiometry (CP). The proven Metrohm electrode methods combined with a high-performance potentiostat/galvanostat and the extremely flexible viva software open up new perspectives. The potentiostat with a certified calibrator readjusts itself automatically before each measurement, thus guaranteeing maximum precision. The replaceable measuring head enables rapid changes between the various applications with different electrodes.



The viva software is required for control, data collection, and evaluation.

The 884 Professional VA is supplied with reduced accessories, without measuring head and electrodes. Electrode set and viva license need to be ordered separately.

Measuring head for operation with rotating disk electrodes. Solvent-resistant version for applications in nonaqueous media.



Drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 0.65 m).



1 PCS

2.843.0230

843 Peristaltic Pump Station for Professional VA/CVS systems

The 843 Peristaltic 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 2 built-in peristaltic pumps that can be controlled via the remote signal.

The versions for VA and CVS are equipped with the complete accessories for the automatic rinsing and emptying of the measuring vessel. The connection cable must be ordered separately.



1 PCS

2.858.0130

858 Professional Sample Processor VA for antioxidants

The 858 Professional Sample Processor VA for antioxidants enables the fully automatic processing of sample series of lubricants for determining the concentration of antioxidants in combination with Professional VA instruments and viva. The system is controlled directly with the viva software. The sample rack (supplied) holds 24 samples, which are extracted automatically on the sample changer for sample preparation prior to determination.

The 858 Professional CVS Sample Processor VA for antioxidants is supplied with built-in robotic arm, together with accessories, sample rack, magnetic stirrer, and connection cable for setting up a complete workplace, although it does not come with rinsing equipment.



2 PCS

6.1608.030

Round glass bottle / 1000 mL / GL 45



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



1 PCS 6.2055.100 Bottle holder, double
Bottle holder for 2 x 1 L bottles. For 6.5617.000 aspiration equipment



1 PCS 6.2141.300 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



2 PCS 6.3032.220 807 Dosing Unit 20 mL
807 Dosing Unit with integrated data chip with 20 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



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).	
6.5339.100	VA electrode equipment with rotating glassy carbon disc electrode (RDE) for antioxidant determination for Professional VA instruments Complete electrode set for determinations of antioxidants. Includes drive for rotating disk electrode, glassy carbon electrode tip, platin reference electrode, platin auxiliary electrode and measuring vessel.	

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

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

Includes the "Differential Pulse" (DP), "Square Wave" (SQW), "Linear Sweep Voltammetry" (LSV), "Cyclic Voltammetry" (CV), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP) measuring modes. 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, Japanese.

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 computer. Contains USB flash drive and installation documentation.



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 management, extensive data export functions, individually configurable report generator.

Includes the "Differential Pulse" (DP), "Square Wave" (SQW), "Linear Sweep Voltammetry" (LSV), "Cyclic Voltammetry" (CV), "Cyclic Voltammetric Stripping" (CVS), "Cyclic Pulse Voltammetric Stripping" (CPVS), and Chronopotentiometry (CP) measuring modes. 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, Japanese.

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

Client/server version with 3 licenses for 3 computers with a max. of 4 Professional VA/CVS instruments per computer. Contains USB flash drive and installation documentation.
