



VoltIC Vario pro I – The linked system made of IC and voltammetry for parallel determination of anions, cations and heavy metals

VoltIC Vario pro I

VoltIC Vario I is the perfect combination of IC and voltammetry for simultaneous determination of anions, cations and heavy metals. MagIC Net controls IC instruments, starts voltammetric determination, and summarizes all of the IC and voltammetry results.

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 VoltIC Vario pro I

Qt.	Order no.	Description
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The 940 Professional IC Vario TWO/SeS/PP is the intelligent two-channel IC instrument with sequential suppression (one channel) and a peristaltic pump for suppressor regeneration. The instrument can be used with any separation and detection methods.

Typical areas of application:

- Standard instrument for parallel anion and cation determinations
- Trace analysis for anions and cations
- Online monitoring for anions and cations



Compact and intelligent high performance conductivity detector for intelligent IC instruments. Outstanding temperature stability, the complete signal processing within the protected detector block and the latest generation of DSP – Digital Signal Processing – guarantee the highest precision of the measurement. No change of measuring ranges (not even automatic ones) is required, due to the dynamic working range.



The 800 Dosino is a drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).



The 843 Peristaltic Pump Station has two built-in peristaltic pumps that can be controlled directly by the 797 VA Computrace via the remote signal. It is used for the automatic rinsing and emptying of the measuring vessel in partly automated and fully automated VA and CVS systems with the 797 VA Computrace.

The version for voltammetry is equipped with the complete accessories for the automatic rinsing and emptying of the measuring vessel.



1 PCS

2.858.0020

858 Professional Sample Processor – Pump

The 858 Professional Sample Processor – Pump processes samples from 500 µL to 500 mL. The sample transfer takes place either with the installed bidirectional two-channel peristaltic pump or with an 800 Dosino.



1 PCS

6.1608.030

Round glass bottle / 1000 mL / GL 45



2 PCS

6.1608.050

Drying bottle / 100 mL / GL 45



1 PCS

6.1608.070

Eluent bottle / 2 L / GL 45



1 PCS

6.1803.030

PTFE capillary 0.5 mm i.d. / 3 m

Capillary for inline dialysis, for Dialysis Unit, IC Dialysis Sample Processor,
IC Liquid Handling Dialysis Unit



1 PCS

6.1803.150

PTFE Capillary i.d. 0.25 mm / 1 m



1 PCS

6.1805.530

FEP tubing / M6 / 2 m

With light and kink protection



2 PCS

6.1819.010

PTFE tube

As gas inlet in washing bottle of VA Stand

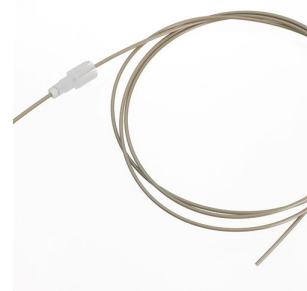


1 PCS

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

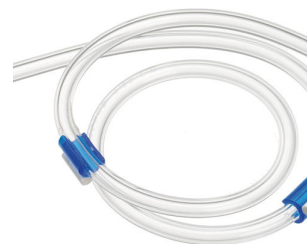


1 PCS

6.1826.020

PVC pump tubing (blue/blue)

For online IC instruments and automation in voltammetry.



1 PCS

6.1831.070

PEEK capillary 0.75 mm i.d., 70 cm

For Advanced VA Sample Processor



1 PCS

6.2041.450

Sample rack, 56 x 11 mL and 56 x 50 mL (PVC)

Sample rack for 858 Professional Sample Processor, 815 Robotic USB Sample Processor XL, suitable for 112 sample vessels. The following sample vessels can be used: 6.2743.050, 6.2747.010, 6.2743.040, 50 mL Sarstedt vials.

Plastic: Polyvinyl chloride (PVC)

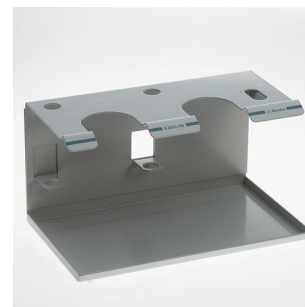


1 PCS

6.2055.100

Bottle holder, double

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



1 PCS

6.2057.040

Holder for Dosino for Sample Processor

Holder for Dosino for the 838 / 858 IC Sample Processor and the 838 Advanced VA Sample Processor



1 PCS

6.2134.100

RS-232 cable, 5 m, DB9 – DB9

Connecting Metrohm RS-232 interface to Titrinos, 756 KF Coulometer, 762 or 771 IC Interfaces, 790 Personal IC, 743 Rancimat, 763 PVC Thermomat, 873 Biodiesel Rancimat.



1 PCS

6.2141.290

Connection cable 843 Pump Station to 838 Advanced Sample Processor

Cable for the remote connection of the 843 Pump Station with the 838 Advanced Sample Processor.



1 PCS

6.2148.010

Remote Box MSB

Additional remote interface for the connection of devices that can be controlled via remote lines. With permanently attached cable.

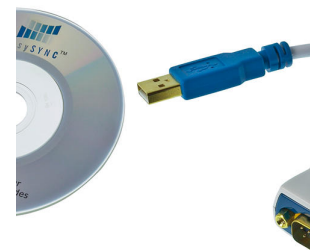


2 PCS

6.2148.050

USB/RS-232 Converter for 900 Touch Control

Extends the 900 Touch Control by an RS-232 interface for the connection of e.g. balance.



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

6.2743.077

Stopper with perforation

200 pieces. For IC Sample Processors



1 PCS

6.2744.034

Coupling olive/UNF 10/32, 2x

Connection between pressure screw and pump tubing. 2 pieces. For IC instruments with peristaltic pump.



1 PCS

6.2744.070

Pressure screw short

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



3 PCS

6.2744.080

M6 thread / UNF 10/32 adapter

With M6 outer thread. For IC instruments.



1 PCS

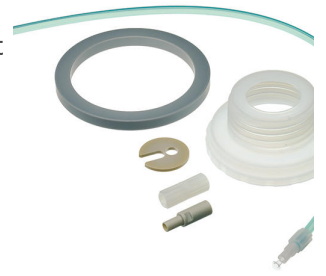
6.2747.010

Sample vessel 50 mL

With blue screw cap and mL graduation. Set of 25 pieces.



For the connection of an M6 tubing to Port 4 on an 807 Dosing Unit
(transition from luer to M6), including holder safety device



Optional accessories

Order no.	Description	
6.1006.520	Metrosep A Supp 5 - 150/4.0 The 150 mm version of the Metrosep A Supp 5 is distinguished by its very good separation properties. High plate numbers and excellent peak symmetries facilitate working in the lower µg/L range. The particle size of 5 µm makes a decisive contribution to the separating efficiency of this column. The Metrosep A Supp 5 - 150/4.0 offers the optimum combination of selectivity and capacity, with which even complex separation tasks can be solved within a short time. This property makes the Metrosep A Supp 5 - 150/4.0 one of the best universally applicable standard IC columns.	
6.1006.500	Metrosep A Supp 5 Guard/4.0 The Metrosep A Supp 5 Guard/4.0 reliably protects the Metrosep A Supp 5 and 7 IC anion columns against contamination from the sample or the eluent. It contains the same separation material as the Metrosep A Supp 5, is also made of PEEK, and is screwed directly onto the respective separation column with virtually no dead volume ("On Column Guard System"). The guard column prolongs the service life of the analytical column, with practically no influence on its chromatographic separating efficiency. The economical price and simple handling make using the A Supp 5 Guard/4.0 highly recommended.	
6.1050.410	Metrosep C 4 - 100/4.0 The 100 mm version of the Metrosep C 4 column is intended for rapid determinations of standard cations. Very short retention times are achieved; however the elution times of sodium and ammonium still differ by 25 s. When a special eluent is used, the six cations lithium, ammonium, sodium, calcium, magnesium and potassium can be determined in less than 5 minutes with the Metrosep C 4 - 100/4.0.	

6.1050.500

Metrosep C 4 Guard/4.0

The Metrosep C 4 Guard/4.0 contains the C-4 column material and is used to protect all Metrosep cation columns that have a substrate based on silica gel. Particles and contamination are reliably retained, considerably prolonging the service life of the analytical separation column. The economical price is an additional plus. The Metrosep C 4 Guard/4.0 also works based on the "On Column Guard System" and is screwed directly onto the separation column with virtually no dead volume.



6.2832.000

MSM Rotor A

Suppressor rotor for all IC instruments with MSM (Metrohm Suppressor Module)



6.2842.000

MSM-HC Rotor A

Suppressor rotor for all IC instruments with MSM-HC (Metrohm Suppressor Module with high capacity)



6.2844.000

MSM-LC Rotor A

Suppressor rotor for use with 2 mm columns.



6.2842.020

Adapter sleeve, MSM

Not only the MSM Rotor A but also the MSM-LC Rotor A can be installed in the rotor housing with the aid of the adapter sleeve.



6.5330.160

IC equipment: MiPCT-ME

Accessory set for assembling a Dosino for Metrohm intelligent Preconcentration Technique with Matrix Elimination (MiPCT-ME).

