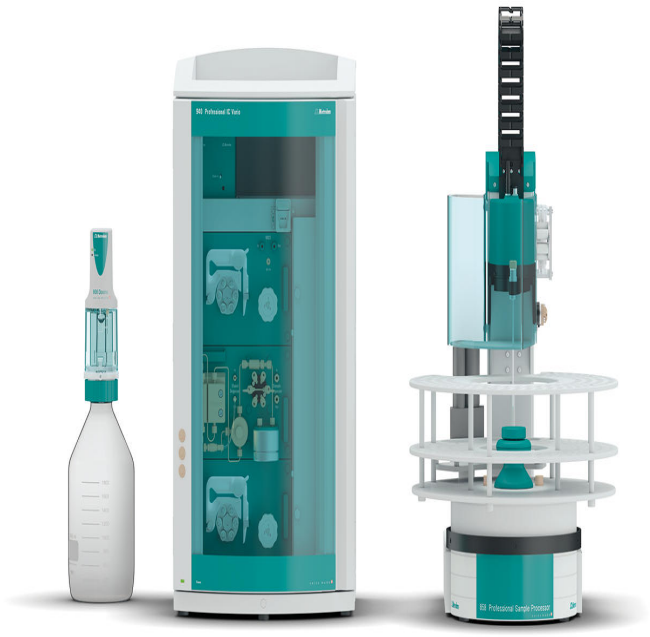

"ProfIC Vario 11 Anion" – Professional IC Vario system with Inline Neutralization, intelligent preconcentration technique and Inline Matrix Elimination

ProfIC-Vario-11-Anion

The Professional IC Vario system with **Metrohm Inline Neutralization**, **Metrohm's intelligent inline preconcentration technique** and **Inline Matrix Elimination** and **sequential suppression** and **conductivity detection** enables the analysis of anions in complex matrices from the ultratrace down to the mg/L range.

Typical areas of application:

– Trace analysis in concentrated bases and acids
– Ultratrace analysis for nuclear power plants in matrices, such as lithium hydroxide/boric acid

Schematic representation

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 ProfIC-Vario-11-Anion

Order Number	Description	Quantity
2.940.1530 	**940 Professional IC Vario ONE/SeS/PP/Prep 3** The 940 Professional IC Vario ONE/SeS/PP/Prep 3 is the intelligent IC instrument with sequential suppression with a peristaltic pump for suppressor regeneration in combination with Metrohm Inline Sample Preparation, e. g., Inline Neutralization or Inline Cation Removal. The instrument can be used with any separation and detection methods. Typical areas of application: – Anion determinations with sequential suppression after Inline Neutralization – Online trace analysis with Inline Neutralization and subsequent MiPCT-ME – Anion analysis after cation removal in samples with high transition metal concentrations, e.g., electroplating baths	1 PCS
2.850.9010 	**IC Conductivity Detector** 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.	1 PCS

2.858.0030

858 Professional Sample Processor – Pump – Injector 1 PCS



The 858 Professional Sample Processor – Pump – Injector processes samples from 500 µL to 500 mL. The sample transfer takes place either with the installed bidirectional two-channel peristaltic pump or by means of an 800 Dosino. In addition, a six-way injection valve is available for the sample preparation.

2.800.0010

800 Dosino (cable: 1.5 m) 1 PCS



The 800 Dosino is a drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 1.5 m).

6.5330.140

IC equipment: MiPCT 1 PCS



Accessory set for Inline Preconcentration (MiPCT) including Liquid Handling Station, left.

6.1808.090

Thread adapter M8 outer / M6 inner 1 PCS



Outer thread M8, inner thread M6, e.g. for mounting 6.2418.XXX Air tubes in 6.1429.XXX Reaction vessels of stability measuring instruments.

6.1014.200

Metrosep I Trap 1 - 100/4.0

1 PCS



The Metrosep I Trap 1 - 100/4.0 column is used to eliminate ionic, i.e. cationic and anionic, contaminants from aqueous solutions. Its use is especially recommended for the purification of the transfer water in combination with "MISP" or "Metrohm Inline Sample Preparation". Using the Metrosep I Trap 1 - 100/4.0 column can significantly reduce the influence of the transfer water on the system blank.

6.2832.000

MSM Rotor A

1 PCS



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

6.2842.020

Adapter sleeve, MSM

1 PCS



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.

Optional accessories

6.9920.191
Sample rack, 35 x 60 mL and 3 x 250 mL (PVC)



Sample rack for 858 Professional Sample Processor, 815 Robotic USB Sample Processor XL, suitable for 35 sample vessels and 3 rinsing bottles. The following sample vessels and rinsing bottles can be used: 6.1608.100, 60 mL and 250 mL Nalgene FEP vessels. Plastic: Polyvinyl chloride (PVC)

6.1608.100
PE bottle 50 mL



Bottle for Extension Module Liquid Handling.

6.2820.000
Al foil



1,000 rondels with a diameter of 80 mm. Foil thickness: 0.010 mm. Together with 6.2037.040 foil holder for 6.1432.210 sample beaker and 6.2037.080 foil holder for 6.1459.300 sample beaker.

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.



2.941.0010
941 Eluent Production Module

The 941 Eluent Production Module enables the automatic production of an eluent. It enables continuous working without manual intervention and guarantees stable retention times. It can be combined with all Metrohm IC instruments and is monitored by MagIC Net.



2.800.0010
800 Dosino (cable: 1.5 m)

The 800 Dosino is a drive with write/read hardware for intelligent dosing units. With permanently attached cable (length 1.5 m).



6.2744.080
M6 thread / UNF 10/32 adapter



With M6 outer thread. For IC instruments.

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.

6.2842.200
MSM-HC Rotor C



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

6.6059.422

MagIC Net 4.2 Professional: 1 license

Professional chromatography software from Metrohm for controlling all intelligent Professional IC systems, Compact IC systems and their peripherals, all detectors and the various Auto samplers, 800 Dosino, 771 Compact Interface, etc. The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses.

Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.

MagIC Net Professional complies fully with FDA Regulation 21 CFR Part 11 as well as GLP.

MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian

With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.

1 license

The installation and documents are supplied on a USB flash drive.

6.6059.423

MagIC Net 4.2 Multi: 3 licenses

Client/server-compatible chromatography software from Metrohm for controlling all intelligent Professional IC systems, Compact IC systems and their peripherals, all detectors and the various Autosamplers, 800 Dosino, 771 Compact Interface, etc.
The software permits checks, data acquisition, data evaluation and data monitoring as well as report generation of ion chromatographic analyses.
Data and method are centrally stored on a Server.

Graphical user interface for routine operations, extensive database programs, method development, configuration and manual control panel; very flexible user management, efficient database operations, extensive data export functions, individually configurable report generator, control and monitoring of all system components and the chromatography results.
MagIC Net Multi complies fully with FDA Regulation 21 CFR Part 11 as well as with GLP.
MagIC Net is available in 15 dialog languages: German, English, Chinese, Traditional Chinese, French, Italian, Spanish, Portuguese, Bulgarian, Czech, Hungarian, Japanese, Korean, Russian, Slovakian
With this version, the graphic user interface has been modernized, which improves, among other things, the scaling and sharpness of the user interface on 4K monitors.
Performance for client/server systems with servers outside the in-house company network has been improved.
Client/server version with 3 licenses