

"ProfIC Vario 12 Anion" – Professional IC Vario System for online monitoring

ProfIC-Vario-12-Anion

The Professional IC Vario system with **automatic calibration, Dosino Regeneration, automatic eluent production, sequential suppression** and **conductivity detection** enables the **online** determination of anions or cations from various sample flows. The system is optimized for uninterrupted use (24/7).

Typical areas of application:

– Continuous analysis of processes
– Monitoring of drinking and surface water
– Monitoring of cooling water
– Trace analysis

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-12-Anion

Order Number	Description	Quantity
2.940.1400	**940 Professional IC Vario ONE/SeS** The 940 Professional IC Vario ONE/SeS is the intelligent IC instrument for applications with sequential suppression. An 800 Dosino can be used for the regeneration of the suppressor. The instrument can be used with any separation and detection methods. Typical areas of application: – Anion or cation determinations with sequential suppression – Trace analysis for anions or cations – Online monitoring for anions or cations	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

2.942.0070

942 Extension Module Vario LQH 1 PCS



The 942 Extension Module Vario LQH is an extension module for the Professional IC Vario line of instruments. It expands the possibilities of Metrohm Inline Sample Preparation "MISP" and Liquid Handling and opens a Professional IC system for Online Monitoring.
Typical applications:
– Extended Inline Sample Preparation
– Online monitoring
– Dilution without sample changers
– Fully automatic sample derivation reactions

2.800.0010

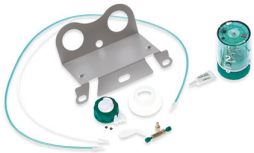
800 Dosino (cable: 1.5 m) 2 PCS



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

6.5330.190

IC equipment: Dosino regeneration 1 PCS



Accessory set for the assembly of a Dosino for automatic regeneration of the Metrohm Suppressor Module (MSM).

2.941.0010

941 Eluent Production Module 1 PCS



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.

6.3032.150

807 Dosing Unit 5 mL 1 PCS



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.

6.2744.080

M6 thread / UNF 10/32 adapter 2 PCS



With M6 outer thread. For IC instruments.

6.2744.010

Pressure screw 5x 1 PCS



With UNF 10/32 connection. For the connection of PEEK capillaries

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6.2744.150 **T connector UNF 10/32** 1 PCS



T connector for 3 capillaries.

6.1831.180 **PEEK Capillary 0.5 mm i.d., 3 m** 2 PCS



6.1805.030 **FEP tubing / M6 / 150 cm** 2 PCS

With light and kink protection



6.1618.020 **Thread adapter S 40 to GL 45** 1 PCS



Adapter for bottles with S40 thread (Merck...) to GL45.

6.1808.260

Distributor for pump tubings for Sample Processors 1 PCS

The distributor has one inlet and four M6 openings for the connection of pump tubings.



6.1820.020

M10/M6 adapter 1 PCS

Connector with M10 thread for 6.1812.XXX tubing and M6 thread for 6.1805.XXX tubing.



6.2053.030

Mounting ribbon for 6.2744.340, 25x50 mm 1 PCS

Mounting ribbon for Dosino gradient IC equipment



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.



6.1825.290

PEEK sample loop 250 µL

1 PCS



Sample loop for «Metrohm intelligent Partial loop Technique» (MiPT) and for PILS (particle into liquid sampler). With 2 Peek pressure screws.

Optional accessories

2.942.0300
942 Extension Module Vario ChS/PP



The 942 Extension Module Vario ChS/PP is an extension module for the Professional IC Vario line of instruments. It permits the integration of a complete **chemical suppression** with a **peristaltic pump** for suppressor regeneration or **Inline Neutralization** or **Inline Cation Removal**, respectively, in a Professional IC Vario system.

Typical applications:
– Chemical suppression for 2nd analysis channel
– Inline Neutralization/Cation Removal

6.2835.000
SPM Rotor A



Rotor for inline sample preparation with cation exchange

6.1014.000
Metrosep A Trap 1 - 100/4.0



High-capacity anion column, which is used to purify the eluent flow. Even chemicals of the highest quality level, e.g. "Ultrapur" or "puriss", can still contain minimal anion contaminations. These are reliably held back by the Metrosep A Trap 1 - 100/4.0.
This column is primarily used with gradient applications.

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.



6.2832.000
MSM Rotor A

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



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.



6.2148.010

Remote Box MSB



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

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