

"ProfIC Vario 5 Cation" – Professional IC Vario system with Metrohm's intelligent preconcentration technique (MiPCT)

ProfIC Vario 5 Cation

The Professional IC Vario system with Metrohm's intelligent inline sample preconcentration and conductivity detection enables fully automatic determination of cations or anions (non-suppressed) in solutions with low ion concentration.

Typical areas of application:




- Numerous applications, ranging from ultrapure water analysis to drinking water analysis
- Analyses of different samples from power plants
- Process control and monitoring of rinsing solutions, e.g., in the semiconductor industry

Schematic representation

Installation instructions

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 5 Cation

Qt.	Order no.	Description
1 PCS	2.800.0010	800 Dosino
		<p>The 800 Dosino is a drive with write/read hardware for intelligent Dosing Units. With fixed cable (length 150 cm).</p> 
1 PCS	2.850.9010	IC Conductivity Detector
		<p>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.</p> 
1 PCS	2.858.0010	858 Professional Sample Processor
		<p>The 858 Professional Sample Processor processes samples from 500 µL to 500 mL. The sample transfer takes place either by means of a peristaltic pump on the 850 Professional IC system or with an 800 Dosino.</p> 

The 940 Professional IC Vario ONE is the intelligent IC instrument for applications without suppression. The instrument can be used with any separation and detection methods.

Typical areas of application:



- Anion and cation determinations without suppression
- Analyses with UV/VIS detection with or without post-column derivatization
- Applications with amperometric detection (e.g., sugar analysis)
- Trace analysis for cations with MiPCT



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



Optional accessories

Order no.	Description	
2.941.0010	941 Eluent Production Module	
	<p>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.</p>	
6.1010.310	Metrosep C PCC 1 HC/4.0	
	<p>For cation preconcentration and matrix elimination</p>	
6.1050.420	Metrosep C 4 - 150/4.0	
	<p>The Metrosep C 4 - 150/4.0 is the universal standard column in cation analysis for accomplishing high separating efficiency in a short time. The Metrosep C 4 - 150/4.0 is the ideal separation column for the analysis of alkaline and earth alkaline metals in aqueous media.</p>	
6.1050.500	Metrosep C 4 Guard/4.0	
	<p>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.</p>	

6.1608.100

PE bottle 50 mL

Bottle for Extension Module Liquid Handling.



6.2769.110

EMPTY sensor for level sensor for 2 L bottles

This sensor, mounted in the 6.1626.000 bottle attachment, results in the level sensor EMPTY for 2 L bottles. Included are two sensor rods, one aspiration tubing and two holders for fixing the tubing to one of the sensor rods.



6.2820.000

Al foil

1000 circular sheets of 80 mm diameter. Thickness: 0.010 mm. Used together with 6.2037.030 Foil holder for 6.1432.210 Sample beaker. For 674 KF Sample Changer



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.

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

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)

