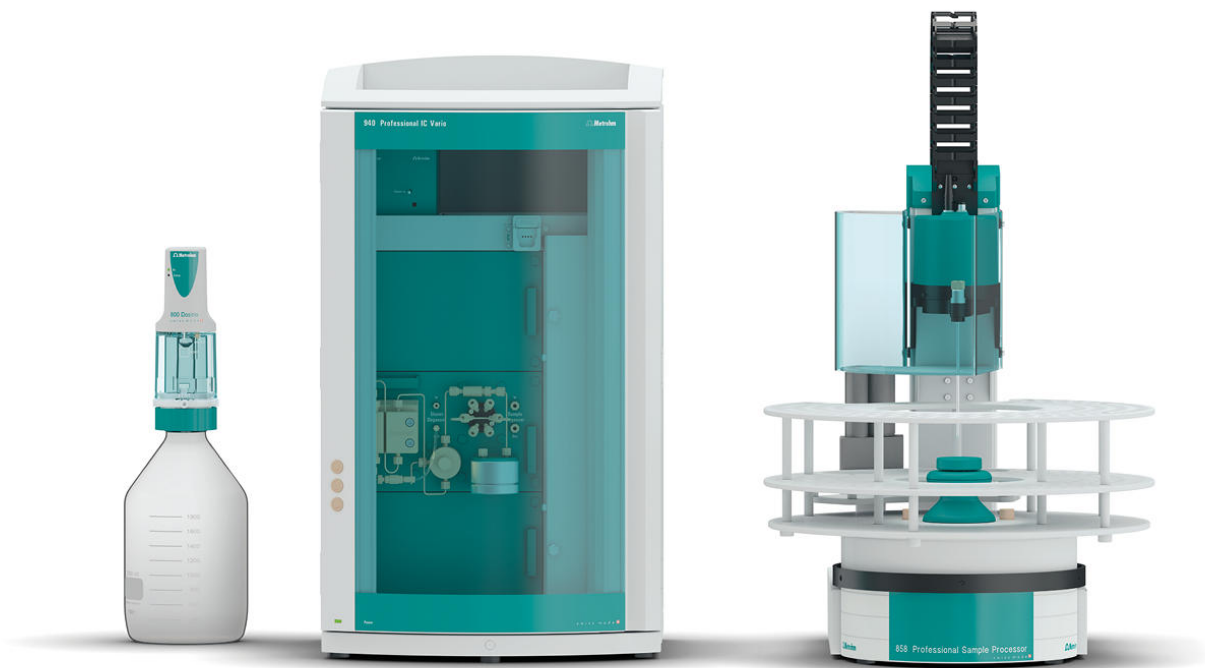




# "ProfIC Vario 15 Cation" – Professional IC Vario system with Metrohm's intelligent Partial Loop Injection Technique (MiPT)

ProfIC-Vario-15-Cation

The Professional IC Vario system with Metrohm's intelligent Partial Loop Injection Technique and conductivity detection enables fully automatic determination of cations or anions (non-suppressed). "Partial Loop Injection" enables the injection of various sample volumes.

Typical areas of application:

- Universal use for all types of samples
- From trace analysis to waste water analysis
- Great differences in concentration in a single sample series

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-15-Cation

| Qt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Order no.  | Description                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------|
| 1 PCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.940.1100 | 940 Professional IC Vario ONE     |
| <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.</p> <p>Typical areas of application:</p> <ul style="list-style-type: none"> <li>• Anion and cation determinations without suppression</li> <li>• Analyses with UV/VIS detection with or without post-column derivatization</li> <li>• Applications with amperometric detection (e.g., sugar analysis)</li> <li>• Trace analysis for cations with MiPCT</li> </ul> |            |                                   |
| 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>                                                                                                                                                                                                                                                                                                                                |            |                                   |



1 PCS

2.800.0010

800 Dosino

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



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1 PCS

6.5330.180

IC equipment: MiPT

Accessory set for assembling a Dosino for Partial-Loop-Injection.



## Optional accessories

| Order no.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 6.2041.760 | Sample rack 54 x 11 mL + 1 x 300 mL                                                                                                                                                                                                                                                                                                                                                                                                         |    |
|            | Sample rack with small diameter for 54 x 11 mL sample vessels in two rows and additionally 1 x 300 mL bottle.                                                                                                                                                                                                                                                                                                                               |                                                                                       |
| 6.2041.440 | Sample rack, 148 x 11 mL and 3 x 300 mL (PVC)                                                                                                                                                                                                                                                                                                                                                                                               |    |
|            | Sample rack for 858 Professional Sample Processor, 815 Robotic USB Sample Processor XL, suitable for 148 sample vessels and 3 rinsing bottles. The following sample vessels and rinsing bottles can be used: 6.2743.050, 6.1608.080, 6.1627.000, 6.2743.040.<br><br>Plastic: Polyvinyl chloride (PVC)                                                                                                                                       |                                                                                       |
| 6.2743.040 | Vial PP, 2.5 mL, 2000 pieces                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|            | 2.5 mL. 2000 pieces. For IC Sample Processors.<br>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.                 |                                                                                       |
| 6.2743.050 | Sample vessel 11 mL                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|            | 2000 pieces. For IC Sample Processors and VA Autosamplers.<br><br>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. |                                                                                       |

6.2743.070

Stopper with perforation

2000 pieces. For IC Sample Processors



6.1050.420

Metrosep C 4 - 150/4.0

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.



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.



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.



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.



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

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