

"ProfIC Vario 1 UV/VIS" – Professional IC Vario system for automated ion chromatography with UV/VIS detection

ProfIC Vario 1 UV-VIS

The Professional IC Vario system with UV/VIS detection enables fully automated determination of anions, cations, and organic compounds with optical absorption.

Typical areas of application:

- Universal use for analysis of components that absorb UV or VIS light, respectively.
- Routine analysis with large numbers of samples without additional sample preparation



Schematic representation

Below, the accessories are grouped into Scope of delivery and Optional accessories.


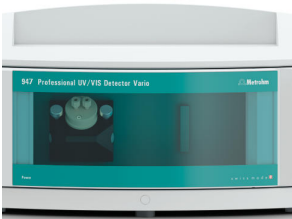
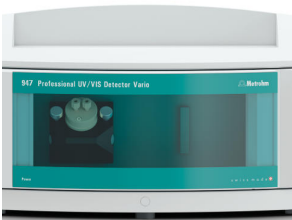
Please keep this printout at hand for ordering replacement material.

These lists may be subject to change.

Scope of delivery ProfIC Vario 1 UV-VIS

| Qt. | Order no. | Description |
|---|------------|--|
| 1 PCS | 2.858.0020 | 858 Professional Sample Processor – Pump |
| <p>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.</p> | | |
|  | | |
| 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">• 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 | | |
|  | | |

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> | |
| 2.947.0010 | 947 Professional UV/VIS Detector Vario SW |  |
| | <p>As an intelligent, single-wavelength detector, the 947 Professional UV /VIS Detector Vario SW permits a secure and reliable quantification of substances active in the ultraviolet or visible range. One wavelength can be selected.</p> | |
| 2.947.0020 | 947 Professional UV/VIS Detector Vario MW |  |
| | <p>As an intelligent, multi-wavelength detector, the 947 Professional UV/VIS Detector Vario MW permits a secure and reliable quantification of substances active in the ultraviolet or visible range. Up to eight wavelengths can be freely selected. A diode array is used for detection.</p> | |

The Metrosep A Supp 10 - 250/4.0 separation column is based on a high-capacity polystyrene-divinylbenzene copolymer with a particle size of only 4.6 µm. The longest column of the A Supp 10 product range offers the greatest selectivity and flexibility. Utilization of the MSM-HC is particularly recommended with longer chromatogram duration. Changes in temperature, flow and composition of the eluent also enable a wide variety of separations of anions on this separation column.



The Metrosep A Supp 10 - 250/4.0 has a very high capacity. It is suitable for samples with high ionic strength, for complex separation tasks and for analyzing samples in which great differences in concentration between the individual components are present.

The Metrosep A Supp 10 Guard/4.0 reliably protects the Metrosep A Supp 10 analytical separation columns against contamination. Thanks to the "On Column Guard System", the guard column is very easy to handle. The guard column screws easily and directly onto the analytical column. No tools are required.



Sample rack for 148 x 11 mL samples with 3 rinsing beakers.



Sample rack with small diameter for 54 x 11 mL sample vessels in two rows and additionally 1 x 300 mL bottle.



6.2743.040 Vial PP, 2.5 mL, 2000 pieces

2.5 mL. 2000 pieces. For IC Sample Processors.

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.

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



6.5330.130 IC equipment: Liquid Handling Station, left

Accessory set for assembling the Liquid Handling Station on the Professional Sample Processor. The rinsing water supply can be accomplished by means of a peristaltic pump or a Dosino.



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
