



Eco IC

The very best of
ion chromatography
for everybody

PEOPLE
YOU
CAN
TRUST

 **Metrohm**

Making ion chromatography affordable for everybody

«Everybody should be able to benefit from the power of ion chromatography» – that's the idea of the Metrohm Eco IC. Focusing on the essential, this instrument provides the very best of ion chromatography at a very affordable price.



ECO IC IS THE PERFECT CHOICE, IF YOU ...

- do routine water analysis and need a dedicated solution you can rely on
- teach ion chromatography in higher education and depend on a robust instrument at an affordable price
- need an entry-level instrument you can upgrade any time to automate your analyses, e.g. with autosamplers, Metrohm Inline Ultrafiltration, or automatic hydroxide eluent generation



HIGHLIGHTS

- Straightforward, reliable analysis of anions, cations, and polar substances
- Smart system monitoring to safeguard robust operation and reliable results
- No language barriers due to MagIC Net ion chromatography software in 16 languages (Chinese, traditional Chinese, Korean, and many others)
- Readily available system automation
- Upgradable for automatic hydroxide eluent generation and Metrohm Inline Sample Preparation (Inline Ultrafiltration)
- Small footprint to save space on your lab bench
- Particularly suitable for water analysis and training
- Full GLP compliance with MagIC Net Professional

Focus on the essential – and the best

System robustness, reproducibility of results, and ease of use are the benefits that our customers mention over and over when we ask them about their experience with our instruments. All of the features behind these benefits are available in the Eco IC.



Active system healthcare and user assistance:

THE ECO IC ENSURES RELIABLE PERFORMANCE AND EASE OF USE:

- Continuous monitoring of all system components (e.g., iColumn, iDetector, iPump) and system health parameters (e.g., working hours, service intervals, background conductivity)
- Proactive error prevention by prevention of incorrect settings, e.g., wrong flow rate
- Automated sample validation, e.g., check if samples fall outside the calibration range

Straightforward control and data management

INSTRUMENT CONTROL AND SMART ASSISTANCE WITH THE MAGIC NET ION CHROMATOGRAPHY SOFTWARE:

- MagIC Net Basic, Professional, and Multi
- Graphical user interface, drag-and-drop functionality
- Straightforward, intuitive operation
- Available in 16 languages

Upgradability

THE SYSTEM CAN BE UPGRADED FOR ADVANCED AUTOMATION AND LIQUID HANDLING TO IMPROVE ITS EFFICIENCY:

- Professional Sample Processors for increased sample throughput Metrohm Inline Sample Preparation (e.g., Inline Ultrafiltration)
- Professional liquid handling with Dosinos
- Automatic hydroxide eluent generation with the 948 Continuous IC Module, CEP
- GLP compliance with MagIC Net Professional

Robust Swiss quality, outstanding warranties, and global support

THERE ARE THINGS ABOUT YOUR ECO IC THAT YOU WILL LEARN TO LOVE MORE AND MORE THE LONGER YOU OWN IT:

- The exceptional Swiss quality of our instruments
- The unique warranties we grant on our instruments
- The expertise of our local service engineers and application chemists, who support you in your native language

The Eco IC Packages – solutions for routine analysis



THE ECO IC PACKAGE

The automated introductory model for water analysis and teaching. The scope of delivery includes the Eco IC, the 863 Compact IC Autosampler, the conductivity detector, the Metrohm Suppressor Module («MSM») and the MagIC Net Basic software.

TECHNICAL INFORMATION

	Eco IC	Eco IC Package	Eco IC Package with 919
Intelligent ion chromatography	Yes	Yes	Yes
Software included in delivery	MagIC Net Basic	MagIC Net Basic	MagIC Net Professional
iPump with 0.001–20 mL/min flow rate	Yes	Yes	Yes
IC Conductivity Detector with 0-15 000 µS/cm measuring range	Yes	Yes	Yes
iColumn technology	Available	Available	Available
STREAM regeneration with peristaltic pump	Yes	Yes	Yes
Chemical anion suppressor	MSM Rotor A included	MSM Rotor A included	MSM Rotor A included
PC connection	USB	2 × USB	2 × USB
Can be controlled by MagIC Net Basic, Professional, and Multi	Yes	Yes	Yes
Can be automated	Yes	863 Compact IC Autosampler included in delivery	919 IC Autosampler plus included in delivery
IQ/OQ - validation documentation	Yes *	Yes *	Yes *
Housing dimensions	W/H/D 26/47/36 cm	W/H/D 26/47/36 cm + W/H/D 26/47/43 cm	W/H/D 26/47/36 cm + W/H/D 28/53/50 cm

*Not available in all subsidiaries

THE ECO IC PACKAGE WITH 919

The automated introductory model for water analysis and teaching with higher sample capacity, dual channel peristaltic pump, and more flexible liquid handling capabilities. The scope of delivery includes the Eco IC, the 919 IC Autosampler plus, the conductivity detector, the Metrohm Suppressor Module ("MSM"), and the MagIC Net Professional software making in fully GLP compliant.



ORDERING INFORMATION

Instrument	
2.925.0020	Eco IC (Eco IC, conductivity detector, Metrohm Suppressor Module («MSM»), and MagIC Net Basic software)
2.925.1020	Eco IC Package (Eco IC, 863 Compact IC Autosampler, conductivity detector, Metrohm Suppressor Module («MSM»), and MagIC Net Basic software)
2.925.1040	Eco IC Package with 919 (Eco IC, 919 IC Autosampler plus, conductivity detector, Metrohm Suppressor Module («MSM»), and MagIC Net Professional software)
Additional automation options	
2.858.0010	858 Professional Sample Processor
2.858.0020	858 Professional Sample Processor – Pump
2.858.0030	858 Professional Sample Processor – Pump – Injector
2.863.0010	863 Compact IC Autosampler
2.889.0010	889 IC Sample Center
2.889.0020	889 IC Sample Center – cool
2.919.0020	919 IC Autosampler plus
Additional software options	
6.6059.322	MagIC Net 4.x Professional
6.6059.323	MagIC Net 4.x Multi
Additional suppressor options	
6.2842.000	MSM-HC Rotor A
6.2844.000	MSM-LC Rotor A
6.2842.100	MSM-HC Rotor A, Hydroxide