

Eco IC



The very best of ion chromatography for everybody

Making ion chromatography affordable for everybody

02

«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 new 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





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 for up to 36 samples
- Small footprint to save space on your lab bench
- Particularly suitable for water analysis and training

Focus on the essential – and the best

04

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

Smart monitoring of the system components (iColumn, iDetector, iPump) means that your Eco IC always keeps you in the know about important system health parameters, e.g., number of injections, working hours, service intervals, and background conductivity. Even better, your Eco IC actively prevents user errors, e.g., damaging the column by using wrong flow rates or excessive backpressure. Your sample is outside the calibration range? No problem, your Eco IC checks and validates it – automatically.

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



Eco IC Package – turnkey solution for routine analysis

If throughput matters, you may opt for the Eco IC Package. This turnkey solution combines the Eco IC with an 863 Compact IC Autosampler including rack, vials, and caps. With this setup, you can analyze a maximum of 36 samples completely unattended.

Ready for ultrafiltration

Getting your samples clean for injection is the most critical requirement by far if you are doing water analysis with your IC. Your automated Eco IC is ready to be fitted with Metrohm Inline Ultrafiltration for the removal of particles any time you need it.

05

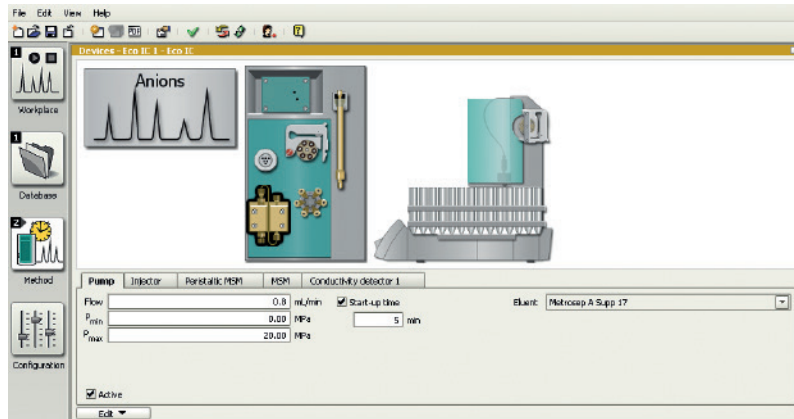


Straightforward control and data management by MagIC Net ion chromatography software

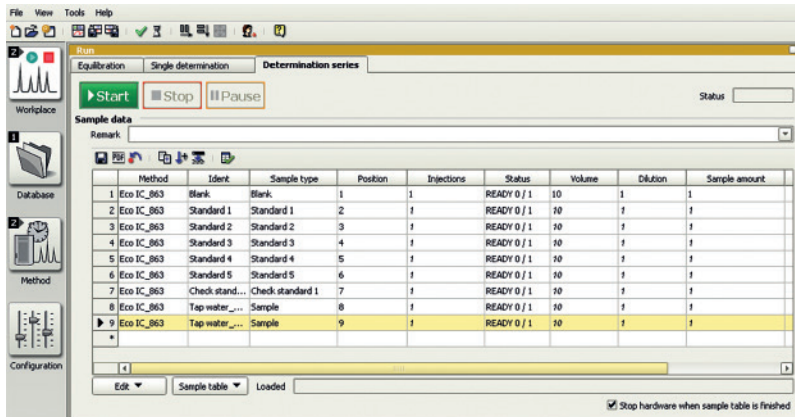
06

Your Eco IC is controlled by the latest version of our MagIC Net ion chromatography software. MagIC Net features a graphical user interface with drag-and-drop functionality enabling straightforward, intuitive opera-

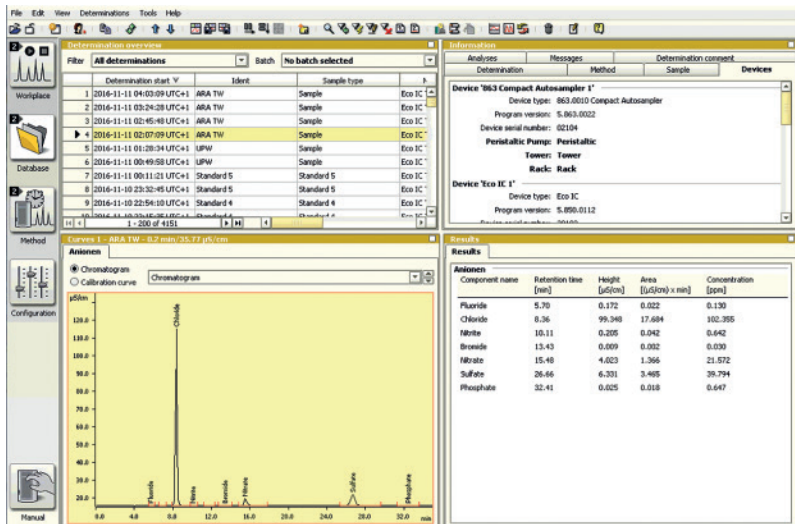
tion. MagIC Net is available in 16 languages, among them English, German, Chinese, Korean, Spanish, French, Japanese, Russian.



The analysis conditions are defined in the Method window. A click on the system component in the graph gives you access to all the relevant parameters.



The Workplace window is the platform for starting your determinations. You can carry out both individual determinations and whole series of determinations.



The powerful Database is the interface for data management, reprocessing and reporting.

Technical information

07

	Eco IC	Eco IC Package
Intelligent ion chromatography	•	•
MagIC Net Basic software included in delivery	•	•
iPump with 0.001–20 mL/min flow rate	•	•
IC Conductivity Detector with 0–15 000 µS/cm measuring range	•	•
iColumn technology	1 separation column	1 separation column
STREAM regeneration with peristaltic pump	•	•
Chemical anion suppressor with 10-year warranty	MSM Rotor A included	MSM Rotor A included
PC connection	USB	2 × USB
Can be controlled by MagIC Net Basic, Professional, and Multi	•	•
Can be automated	•	863 Compact IC Autosampler included in delivery
IQ/OQ – validation documentation	•	•
Housing dimensions	W/H/D 26/47/36 cm	W/H/D 26/47/36 cm + W/H/D 26/47/43 cm

Ordering information

- 2.925.0020 Eco IC: Intelligent ion chromatograph with IC Conductivity Detector and chemical suppression
 2.925.1020 Eco IC Package: Automated intelligent ion chromatograph with IC Conductivity Detector and chemical suppression

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 3.2 Professional
 6.6059.323 MagIC Net 3.2 Multi

Additional suppressor options

- 6.2842.000 MSM-HC Rotor A
 6.2844.000 MSM-LC Rotor A

www.metrohm.com