# **VoltIC Professional**



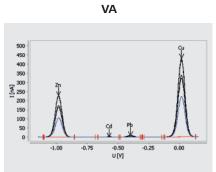
The flexible solution for combined trace ion analysis

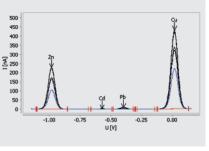


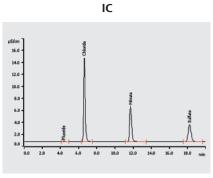
## VoltIC Professional voltammetry and ion chromatography combined

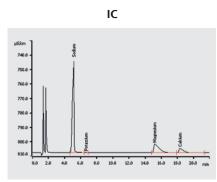
«Two in one» – that's the principle of VoltIC Professional. Integrating ion chromatography and voltammetry by sharing the same sample processor and software, VoltIC Professional brings together the particular strengths of both techniques in a single, fully automated system – for virtually unlimited possibilities in trace ion analysis. The user benefits are evident:

- Samples need to be prepared only once for comprehensive analysis by both techniques
- Results for all parameters are presented in a single
- Considerable time-savings due to convenient data









Transition metal analysis

Anion analysis

Cation analysis

The sample processor provides professional liquid handling for both units delivering the sample first to the ion chromatograph and immediately afterwards to the voltammetric measuring instrument for subsequent, simultaneous analysis. Both measuring devices perform the analysis independently from each other, which means that any single-method analysis on either the IC or the VA measuring instrument is also possible. All results are recorded in a single database, facilitating data handling.

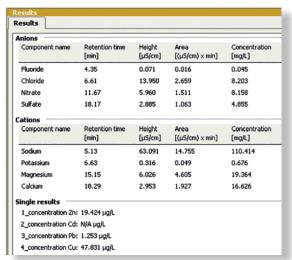


#### **Fully automated VoltIC Professional 1:**

940 Professional IC Vario TWO/SeS/PP in combination with the 858 Professional Sample Processor and the 884 Professional VA semiautomated and 843 Membrane Pump Station

### Your advantages of the VoltIC Professional

- Simultaneous trace analysis of anions, cations, and transition metals
- One database contains all results
- Fully automated analysis of up to 56 samples
- Efficient and cost-saving
- Easy extension of existing Metrohm devices to a complete VoltIC Professional system
- Flexible and independent operation of ion chromatograph and VA analyzer
- Flexible operation of sample processor
- One sample processor for two different measuring techniques
- MagIC Net software for system control and data management
- Full traceability of data
- Unique liquid handling based on Metrohm patented Dosino technology



One database collects all results





### **Applications**

VoltIC Professional offers full flexibility for sample analysis as the sequence of sample handling can be programmed as required. Comprehensive analysis by IC and VA is possible just as well as single-method analysis by either one of the two techniques.

## Following examples demonstrate the versatility of the VoltIC Professional:

| Environment      | anions, cations and transition metals in water                              |
|------------------|---|
| Plating industry | complexing agents and stabilizer in electrolytes (e.g., electroless nickel) |
| Power industry   | anions and iron in water cycles (e.g., boiler feed water)                   |

## Ordering information

### **Packages**

VoltIC Professional 1

### **Optional**

### Columns

| 6.1031.420 | Metrosep A Supp 16 - 150/4.0 |
|------------|------------------------------|
| 6.1031.500 | Metrosep A Supp 16 Guard/4.0 |
| 6.1050.410 | Metrosep C 4 - 100/4.0       |
| 6.1050.500 | Metrosep C 4 Guard/4.0       |
| 6.1006.340 | Metrosep A PCC 2 HC/4.0      |

### Suppressors

| 6.2832.000 | MSM Rotor A                         |
|------------|-------------------------------------|
| 6.2842.000 | MSM-HC Rotor A                      |
| 6.2844.000 | MSM-LC Rotor A                      |
| 6.2842.020 | Adapter sleeve for Suppressor Vario |

### Accessories

| 6.5330.180 | IC equipment: MiPT            |
|------------|-------------------------------|
| 6.5330.160 | IC equipment: MiPCT-ME        |
| 6.5330.120 | IC equipment: Inline Dilution |

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