



"ProfIC 11 – Anion" – Professional IC System for trace analysis with Inline Calibration, Sample Preconcentration, Matrix Elimination and Neutralization

ProfIC-11-Anion

The Professional IC system with conductivity detection enables ultratrace analysis of anions in complex matrices. "ProfIC 11" with Metrohm Inline Neutralization, Inline Sample Preparation and Inline Matrix Elimination enables chromatography without limitation by the matrix and guarantees a long lifetime of the analytical separation column.

Schematic diagram

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-11-Anion

Qt.	Order no.	Description	
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).	
1 PCS	2.850.9010	IC Conductivity Detector	
		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.	
1 PCS	2.858.0030	858 Professional Sample Processor – Pump – Injector	
		The 858 Professional Sample Processor – Pump – Injector processes samples from 500 µL to 500 mL. The sample transfer takes place either with the installed bidirectional two-channel peristaltic pump or by means of an 800 Dosino. In addition, a six-way injection valve is available for the sample preparation.	
1 PCS	6.1014.200	Metrosep I Trap 1 - 100/4.0	
		The Metrosep I Trap 1 - 100/4.0 column is used to eliminate ionic, i.e. cationic and anionic, contaminants from aqueous solutions. Its use is especially recommended for the purification of the transfer water in combination with "MISP" or "Metrohm Inline Sample Preparation". Using the Metrosep I Trap 1 - 100/4.0 column can significantly reduce the influence of the transfer water on the system blank.	

1 PCS

6.1825.270

Transfer tubing 10 mL PEEK 1/8 in



1 PCS

6.3032.150

807 Dosing Unit 5 mL

807 Dosing Unit with integrated data chip with 5 mL glass cylinder and light protection, mountable to a reagent bottle with ISO/DIN GL 45 glass thread. FEP tubing connection, antidiffusion tip.



1 PCS

6.5330.040

IC equipment for Liquid Handling with the Dosino

Accessories set for mounting a Dosino on intelligent IC instruments for Liquid Handling.



Optional accessories

Order no.	Description	
6.1006.500	Metrosep A Supp 5 Guard/4.0 The Metrosep A Supp 5 Guard/4.0 reliably protects the Metrosep A Supp 5 and 7 IC anion columns against contamination from the sample or the eluent. It contains the same separation material as the Metrosep A Supp 5, is also made of PEEK, and is screwed directly onto the respective separation column with virtually no dead volume ("On Column Guard System"). The guard column prolongs the service life of the analytical column, with practically no influence on its chromatographic separating efficiency. The economical price and simple handling make using the A Supp 5 Guard/4.0 highly recommended.	
6.1006.530	Metrosep A Supp 5 - 250/4.0 The high-performance separation column from Metrohm with an extremely high number of plates for the most demanding separation tasks. Even complex separation problems can be solved easily and reproducibly with the Metrosep A Supp 5 - 250/4.0. The high capacity of the column allows, for example, the detection of 1 µg/L bromate along with 150 mg/L chloride without sample preparation. The range of applications possible with this column far exceeds the detection of standard anions. The Metrosep A Supp 5 - 250/4.0 is the column of choice when it comes to reliable monitoring of the high purity standards in the semiconductor industry or of the boiler feed water of power plants.	
6.1608.080	Bottle / 300 mL Rinsing vessel for IC Sample Processors.	

6.2041.390

Sample rack, 16 x 100 mL, (PVC)

Sample rack for 810 Sample Changer, 814 USB Sample Processor, 855 Robotic Titrosampler "Light", suitable for 16 sample beakers. The following sample beakers can be used: 100 mL beakers, short.

Plastic: Polyvinyl chloride (PVC)



6.2820.000

Al foil

1000 circular sheets of 80 mm diameter. Thickness: 0.010 mm. Used together with 6.2037.030 Foil holder for 6.1432.210 Sample beaker. For 674 KF Sample Changer



6.5333.000

IQ/OQ Kit for IC

The IQ/OQ Kit contains all parts and standard solutions required for IQ /OQ in ion chromatography.



6.5620.000

Connection set to 807 Dosing Unit: Port 4

For the connection of an M6 tubing to Port 4 on an 807 Dosing Unit (transition from luer to M6), including holder safety device

