

DW-CIC-D300 Ion Chromatograph

Features

1. Cation and anion dual-channel system, with both channels operating independently without disturbing each other and cations and anions being detected simultaneously.

2. Eluent thermal buffer system in which eluent enters into the columns after preheated, to avoid bubbles generated from rapid heating.

3.Built-in low-pressure degassing technology to eliminate bubble interference for more stability.

4. The world's leading full-range series of chromatograph columns able to detect of ions with varied compositions.

5. Excellent performance to support all your applications.



Specifications

Built-in Eluent Generator	Eluent Types	KOH/NaOH/LiOH/MSA
	Eluent Concentration Range	0.1-100mM
	Concentration Increment	0.1mM
	Flow Rate Range	0.1-5.0mL/min
	Maximum Pressure	30MPa
	Minimum Pressure	5MPa
	Accuracy of Gradient	0.15%
Vacuum degasser	Vacuum degree	-70kPa
	Internal Volume	300µL
	Maximum Flow Rate	10mL/min
	Degassing Efficiency	1.0mL/min 90%
	Degassing Volume	7.5mL
Sensor	Leakage sensor	Standard configuration
Gas-liquid separator	One	Standard configuration
Flow Path	PEEK material	Chemically inert, metal-free PEEK flow paths, compatible with aqueous eluents of pH 0– 14 and reversed-phase solvents



Pump	Туре	High-pressure and low-pulse two-piston tandem advection pump
	MaximumPressure	42MPa
	Flow Rate Range	0.001~9.999mL/min
	Pressure Ripple	≤0.5%
	Flow Precision	<u>≤0.1%</u>
	Flow Accuracy	≤0.1%
	External Diameter of the Tube	1/16''
	Operating Temperature Range	Ambient + 5 to 60 °C
	Controlling Temperature Accuracy	±0.1°C
	Temperature Stability	≤0.1°C/h
Column Heater	Columns Supported	2, 3, 4 and 5 mm ID. Maximum length 250 mm analytical column with 50 mm guard column
	Туре	Auto-range conductivity detector
	Cell Volume	≤0.8 μL
	Detection Range	0~50000μS/cm
	Resolution	≤0.0020nS/cm
	Output Voltage	-6000~+6000mv(adjustable)
	Electronic Noise	0.02nS
Conductivity	Baseline Noise	≤0.0005μS/cm
Detector	Baseline Drift	S
	Operating Temperature Range	Ambient +5°C~60°C
	Controlling Temperature Accuracy	±0.01°C
	Temperature Compensation	1.7 %/°C
	Maximum Pressure	10.0MPa
	Linear Range	$\geq 10^3$
	Instrument Linearity	≥ 0.999
	Quantitative Repeatability	≤0.5%
	Qualitative Repeatability	≤0.2%
	Minimum Detectable Concentration	Cl-≤0.0004ug/mL, Li+≤0.0001ug/mL
	Туре	Self-Regeneration electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa
Suppressor	Non-Suppressed Chromatography	Yes/support
	Void Volume	<40µL (4mm), <15µL (2mm)
Power Supply		350W
External Size(L*V	W*H*)	500*500*760 (mm)
Net Weight(KG)		48
Gross Weight(KG	÷)	73

