

DW-CIC-D160 Ion Chromatograph

Features

- 1. Built-in eluent generator, free from configuring eluent, with gradient elution available.
- 2. Modular manufacturing process to maintain excellent systemic stability.
- 3. Built-in low-pressure degassing technology to eliminate bubble interference for more stability.
- 4. Work across a variety of detectors, to expand the scope of applications of ion chromatography.



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	300pL
	Maximum Flow Rate	10mL/min
	Degassing efficiency	1.0mL/min 90%
	Degassing volume	7.5mL
Flow Path	PEEK material	Chemically inert, metal-free PEEK flow paths, compatible with aqueous eluents of pH 0– 14 and reversed-phase solvents

Pump	Type	High-pressure and low-pulse two-piston tandem advection pump
	Maximum Pressure	42MPa
	Flow Range	0.001~9.999mL/min
	Pressure Pulse	≤0.5%
	Flow Precision	≤0.1%
	Flow Accuracy	≤0.1%
	External Diameter of the Tube	1/16"
Valve	Contact Material of the Rotor	PEEK
	Control Mode	By Stepper motor
	Power Supply	24V (DC)
Column Heater	Operating Temperature Range	Ambient + 5 to 60 °C
	Controlling Temperature Accuracy	±0.1°C
	Temperature Stability	≤0.1°C/h
	Columns Supported	2, 3, 4 and 5 mm i.d. Maximum length 250mm analytical column with 50 mm guard column.
Conductivity Detector	Type	Auto-range conductivity detector
	Cell Volume	≤0.8μL
	Detection Range	0~50000μS/cm
	Resolution	≤0.0020nS/cm
	Output Voltage	-6000~+6000mv(adjustable)
	Electronic Noise	0.02nS
	Baseline Noise	≤0.0005μS/cm
	Baseline Drift	≤0.005μS
	Operating Temperature Range	Ambient +5°C~60°C
	Controlling Temperature Accuracy	±0.01°C
	Temperature Compensation	1.7 %/°C
	Maximum Pressure	10.0MPa
	Instrument Linearity	≥0.999
	Quantitative Repeatability	≤0.5%
	Qualitative Repeatability	≤0.2%
	Minimum Detectable Concentration	Cl-≤0.0003ug/mL, Li+≤0.0001ug/mL
Suppressor	Type	Self-Regeneration electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa
	Non-Suppressed Chromatography	Yes/support
	Void Volume	<40μL (4mm), <15μL (2mm)
Power Supply		150W
External Size(L*W*H*)		350*480*580 (mm)
Net Weight(KG)		34
Gross Weight(KG)		40