

DW-CIC-D100 Ion Chromatograph

Features

- **Built in peristaltic pump**

Automatic post flushing, piston pump runs for 1 hour, peristaltic pump automatically flushes for 10 minutes.

- **Built-in circulating 3D constant temperature technology.**

Temperature stability time is less than 30 minutes, ensuring the accuracy and reliability of test data.

- **High performance piston pump**

Flow rate range up to 12ml/min, minimum resolution 0.001ml/min.

- **Observatory intelligent workstation**

Integrated control;With intelligent start-up, shutdown and maintenance functions;

Compatible with a variety of instruments;Customized images.

- **Gas-liquid separator**

Removes most of the bubbles in the flow path, balances the system pressure,
and ensures a stable baseline.



Specifications

Flow Path	PEEK material	Chemically inert, metal-free PEEK flow paths, compatible with aqueous eluents of pH 0–14 and reversed-phase solvents
Sensor	Leakage Sensor	Standard configuration
Indicator lamp	Operation indication/ Error indication	Standard configuration
Peristaltic pump	1	Automatic post flushing
Gas-liquid separator	1	Standard configuration
Pump	Type	High-pressure and low-pulse two-piston tandem advection pump
	Maximum Pressure	42MPa
	Flow Rate Range	0.001~12mL/min
	Pressure Ripple	≤0.5%
	Flow stability	≤0.1%
	External Diameter of the Tube	1/16"
Valve	Contact Material of the Rotor	PEEK
	Contact Material of Medium	PEEK
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 250 mm analytical column with 50 mm guard column.
Suppressor	Type	Self-Regeneration electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa
	Non-Suppressed Chromatography	Yes/support
	Void Volume	<40μL (4mm); <15μL (2mm)

Conductivity Detector	Type	Auto-range conductivity detector
	Cell Volume	≤0.4μL
	Detection Range	0~50000μS/cm
	Resolution	≤0.0020nS/cm
	Output Voltage	-6000~+6000mv(adjustable)
	Electronic Noise	0.02nS
	Baseline Noise	≤0.0003μS/cm
	Baseline Drift	≤0.001μS
	Temperature Range	Ambient +5℃~60℃
	Controlling Temperature Accuracy	±0.01℃
	Temperature Compensation	1.7 %/℃
	Maximum Pressure	8MPa
	Instrument Linearity	≥0.999
	Quantitative Repeatability	≤0.25%
	Qualitative Repeatability	≤0.1%
Minimum Detectable Concentration		Cl-≤0.0001ug/mL Li+≤0.0001ug/mL
Power Supply		150W
External Size(W*L*H)		310*400*530 mm
Weight		22 Kg