CIC-D150

Intelligent, flexible, convenient

I. Features:

- **Leakage alarm**

When there is liquid leakage in the pipeline, the CIC-D150 liquid leakage detector will send out an alarm sound to remind in time when it detects the liquid, and automatically stop the pump and shut down after 5 minutes if no human intervention.

- **Automatic range**

The operation of CIC-D150 ion chromatograph does not need to set the range, so it is easy to realize the simultaneous determination of 5ppb-100ppm concentration sample, and the signal is displayed by digital signal μs / cm.

- **Gas-liquid separator**

The presence of bubbles in the eluent will increase the baseline noise and reduce the sensitivity. A micro gas-liquid separator is set up in the pipeline between the infusion pump and the eluent bottle to separate the bubbles from the eluent.

- **Timing startup preheating**

It usually takes about 1 hour for the ion chromatograph to balance the system from start-up to sample injection analysis. When the user has prepared the eluent (or pure water for eluent generator), you can set the start-up running time of the instrument in advance (24 hours at most), complete the start-up operation, and set all parameters.

- **Intelligent maintenance**

Set "intelligent maintenance", the instrument can complete the flow path switch to the pure water path, the flow rate is set to 0.5ml/min, running for 1 hour.

- **Mobile phone app**

Mobile app has friendly interface and easy operation. App monitoring: put the device in the pocket, no matter where you are, you can turn on the mobile phone to view and control the field device. The mobile app can remotely control the instrument on / off and observe the operation performance index of the instrument.

- **Intelligent touch screen**

The large screen displays the operation parameters and status of the instrument, which is convenient for the operator to check the equipment status on site, and to complete the operation of instrument on-off, instrument maintenance, etc.

II.Technical Parameter:

Ion Chromatographic Pump	Type	High-pressure and low-pulse two-piston tandem advection pump
	Maximum Pressure	35MPa(PEEK)
	Pressure Display Accuracy	≤0.1MPa
	Flow Stability	≤0.1%
	Allowable Deviation of Flow	(0.2-0.5)mL/min , ±5%; (0.5-1.0)mL/min, ±3%; ＞1.0mL/min, ±2%;
	Flow Range	0.001~9.999mL/min
	Pressure Pulse	≤0.5%
	Flow Precision	≤0.1%
	Flow Accuracy	≤0.1%
Numerical-control and Electromagnetic Sample Injector	Maximum Pressure	35MPa
	Contact Material of the Rotor	PEEK
	Control Mode	By Stepper motor
	Power Supply	24V (DC)
Suppressor	Type	Self-Regenerating electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa

		Dead Volume	<50μL
Digital and Temperature-control Detection System	Conductivity Detector	Type	Temperature--control and bipolar conductivity detector
		Detection Mode	Bipolar conductivity detection
		Cell Volume	≤0.8μL
		Detection Range	0～45000μS/cm
		Detection Resolution	≤0.0020nS/cm
		Output Voltage	-6000~+6000mV (adjustable)
		Electronic Noise	0.02nS
		Baseline Noise	≤0.001μS
		Baseline Drift	≤0.01μS
		Operating Temperature Range	Room temperature +5 ℃ ~60 ℃±0.01℃
		Controlling Temperature Accuracy	±0.01 ℃
		Maximum Pressure	10.0MPa
		Linear Range	$\geq 10^3$
		Instrument Linearity	≥0.999
		Quantitative Repeatability	≤0.5%
		Qualitative Repeatability	≤0.5%
		Minimum Detectable Concentration	Cl-≤0.0002ug/mL; Li+≤0.0002ug/mL
Flow System	Plastic Flow Path	Made of PEEK materials	

	Six-way Valve	PEEK material, pressure 5000psi;Independent automatic collecting and flow function.
Power Supply		150W
External Size(L*W*H*)		336*650*458(mm)
Net Weight(KG)		25.5
Gross Weight(KG)		32