



CIC-D180

CIC-D180 is a new generation of intelligent ion chromatograph of SHINE. The simple pipeline layout and various component configurations make CIC-D180 flexible and changeable. It can be equipped with various detectors on demand to realize the combination technology easily. It can also be transformed into dual system and two-dimensional ion chromatograph, which is suitable for various application scenarios.

Technology advantage:

- High definition touch screen can display the flow path and running status of the instrument in real time, operate with one key and view at any time;
- The built-in eluent generator generates high-purity KOH and MSA eluent by electrolysis, which saves manual configuration time and completes more detection items by gradient elution;
- Built in gas-liquid separation system can filter out the bubbles in the flow path, reduce the failure of the instrument and improve the performance of the instrument;
- In the heating degassing unit, there is an integrated on-line vacuum chamber, which can remove the gas in the eluent on-line to make the experimental results more accurate;
- The intelligent alarm function can detect and alarm automatically when the instrument leaks;
- Using intelligent detector to detect the residual liquid in the eluent cartridge in real time;
- Clarity workstation software can realize the detection and control of each component of the platform, and output the analysis results;
- Mobile APP can master every step of analysis in real time without manual attendance, making the work easy and efficient.

Technical Parameter:

Pump	Conductivity Detector	Built-in Eluent Generator
Maximum Pressure:35 MPa(PEEK)	Cell Volume:≤0.8μL	Eluent Types : KOH/MSA
Pressure Display Accuracy:≤0.1MPa	Detection Range: 0~50000μS/cm	Eluent Concentration Range :0.1-100mM
Flow Rate Range:0.001~9.999mL/min	Detection Resolution:≤0.0020nS/cm	Gradient Accuracy :0.2%
	Electronic Noise:0.02nS	Flow Rate Range:0.1-5.0mL/min
	Maximum Pressure:10.0MPa	Pressure:≤30MPa
Power Requirements:150W		
Dimensions(L*W*H*):500*360*550 (mm)		
Net Weight(KGS):32		
Gross Weight(KGS):40		