



CIC-D100

CIC-D100 ion chromatograph is a classic product of SHINE, which has been accepted by many customers. Based on the latest requirements of users, a newly upgraded CIC-D100 for conventional detection came into being. The new IC not only can detect anions, cations and other polar substances in different matrix samples, but also separate ions with 4 orders of magnitude difference. Compared with the previous one, it is more accurate and reliable. One key switch and intelligent maintenance functions are added to give users a better experience. It is suitable for third-party testing institutions, enterprises, environmental protection, chemical industry, mining and metallurgy and other fields.

Technology Advantage:

- **Auto-range Conductivity Detector**
It can directly detect the signal from ppb to ppm concentration without adjusting the range;
- **Eluate preheating**
By keeping the temperature of the eluate entering the column constant to ensure data stability;
- **Intelligent switch**
Just click once to complete the startup parameter setting and shutdown operation;
- **Multiple detectors available**
Standard : conductivity detector
Optional: ampere, UV, mass spectrometer and other detectors.

Technical Parameter:

Pump

Maximum Pressure: 42MPa (Stainless steel)
Flow Rate Range: 0.001~9.999 mL/min

Column Heater

Operating Temperature Range: 20~60°C (68~140°F)
Temperature Accuracy: $\pm 1^\circ\text{C}$
Temperature Stability: $\leq 0.05^\circ\text{C/h}$

Power Requirements: 150W

Dimensions (L*W*H*): 310*430*530 (mm)

Net Weight (KGS): 22

Gross Weight (KGS): 29

Injector

Maximum Pressure: 35MPa
External Diameter of The Tube: 1/16"

Conductivity Detector

Cell Volume: $\leq 0.8\mu\text{L}$
Detection Range: 0~35000 $\mu\text{S/cm}$
Baseline Noise: $\leq 0.001\mu\text{S/cm}$
Baseline Drift: $\leq 0.02\mu\text{S}$
Temperature Range: Room temperature+5~60°C (41~140°F)
Maximum Pressure: 10.0MPa