

OIC-900 ion chromatograph



Professional manufacturer of analysis and sample preparation instruments

Application field of ion chromatograph >>>>

Application field



Product introduction >>>>

OIC-900 ion chromatograph



Self-regenerating membrane suppressor, with automatic protection of liquid cut-off, low inhibition background, high suppression capacity, can be a perfect replace imported suppressors;



5.0 "highlighted LCD display with real-time parameter display offers more intuitive observation;

Control software

With one-button on/off and timing off functions, operation is more worry-free and labor-saving;



Bipolar conductivity detector with temperature compensation, higher sensitivity, suitable for the laboratories with high requirements for sensitivity;



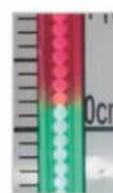
Built-in eluent preheating system, can quickly balance eluent system and save experiment time;



Full PEEK flow path, acid and alkali resistance, not afraid of corrosion, fully compatible;



Imported high-pressure resistant manual six-way valve can be repeatedly switched for 100,000 times without leakage;



The liquid level warning and self-processing system can automatically monitor the low level of the eluent and the high level of the waste liquid, and stop the pump and cut off the power under abnormal conditions, which can effectively protect the suppressor and be safer

Ultra wide range

Ultra-wide range, no need to manually adjust the orientation, and can adapt to the needs of users in different concentration ranges;

One-button switch

Realize one-button intelligent switch of anion and cation systems in ion chromatograph, without manual disassembly and assembly of the flow path, which greatly saves the experimental operation time and avoids the risk of frequent disassembly and assembly leakage, simple and efficient;



The self-innovated embedded column oven adopts imported A+ grade platinum resistance for more accurate temperature measurement;



The constant current source device with patented technology can adjust the current according to different condition and is more efficient.

- On-line electrolytic water generation suppression, continuous self-regeneration;
- Small dead volume, dead volume : <90uL
- Low suppression background : <1.0uS/cm
- Type of suppressor: anion and cation suppressor
- Type of suppressor: electrochemical Self-regeneration, chemical suppression type, ion pair suppression type
- Suppression capacity : >100ueq/min

▲ Electromembrane suppressor

- Patented non-stop continuous flow (MBB) structure design, which can maintain flow continuity when switching sampling and injection, greatly reduces the interference of instantaneous pressure shock on the system
- Wide 30 degree port, easy to connect with the connector;
- Single-point pressure adjustment reduces the friction between the rotor seal and the stator and prolong the service life;
- A built-in position sensing switch provides a reproducible start signal for the chromatograph.

Withstand voltage	35MPa
Connecting piping	1/16"
Flow path diameter	0.5mm(0.02")
Screw specification	No.10-32UNF
Sample loop	25μL
Injection labeling	Built-in type

▲ Six-way sampling valve



▼ Conductivity detector

- Material :316 stainless steel needle electrode
- Cell Volume: ≤0.8μL
- Temperature control range: room temperature+5°C~60°C
- Temperature control accuracy: ±0.01°C
- Baseline noise : ≤0.2%FS/30min
- Baseline drift : ≤1%FS/30min
- Quantitative repeatability : ≤1.0%
- qualitative repeatability : ≤0.2%
- Minimum detection concentration: CI≤0.0006μg/mL

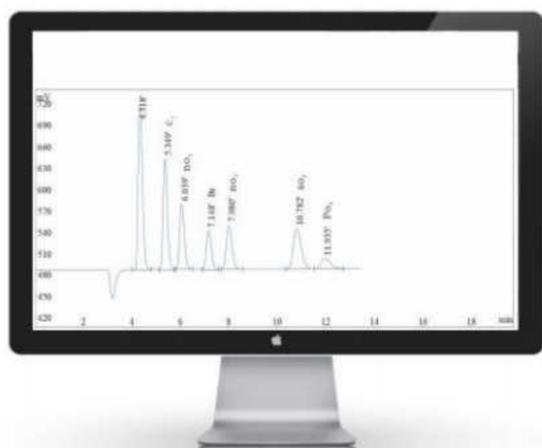
- Pump pressure: 42MPa (6000psi)
- Flow range: 0.001-9.999mL/min
- Repeatability of flow: RSD≤0.01%
- Maximum operating pressure: 5000psi
- Flow accuracy: RSD≤0.1%
- High-performance corrosion-resistant material sealing ring is used to adapt to various eluent systems, effectively preventing leakage and prolonging life.

▲ Miniature high pressure intelligent constant flow pump



▼ Chromatographic workstation

- Unique spectral peak intelligent identification technology, basically realizes automatic processing of peak identification, baseline correction, and overlapping peak segmentation
- Freely formulate analysis reports in Chinese and English with pictures and texts, and directly generate and print in Word
- The results can be exported to spreadsheets such as Excle for secondary calculation, or printed in custom formats.
- Multiple spectra can be processed in batches at one time.



▼ Embedded column oven (patented technology)

- Adopt imported A+ grade platinum resistance
- Temperature control range: room temperature +5°C~60°C
- Temperature control accuracy: ±0.01°C