IC-10 series Ion Chromatograph

Introduction

IC-10 ion chromatograph combines a high-performance pump with a digital conductivity detector, and has the characteristics of high stability and high sensitivity; the unique analytical column and eluent conditions have good separation effect and rapid analysis; the high-performance, high-throughput automatic sampler greatly saves labor costs and improves operating efficiency. It is an ideal tool for sample analysis of electronics, environment, food, geology, cosmetics, drinking water, etc.

Features

- Independently driven dual piston serial pump provide stable high pressure and small pressure pulsation. Fully inert PEEK pump head and flow path, compatible with 0-14 pH eluent.
- Digital conductivity detector with a measurement range of 0-20000 μS/cm, automatic full-range conversion without the need for gear setting or manual shifting.
- Conductivity detector with resolution down to 0.001 nS/cm

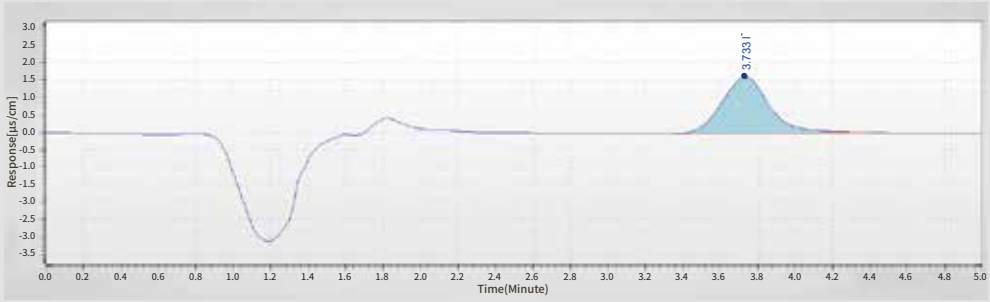
- Thermostated and temperature accuracy up to 0.001°C.
- The conductivity cell can withstand pressure up to 10Mpa or higher

Specifications

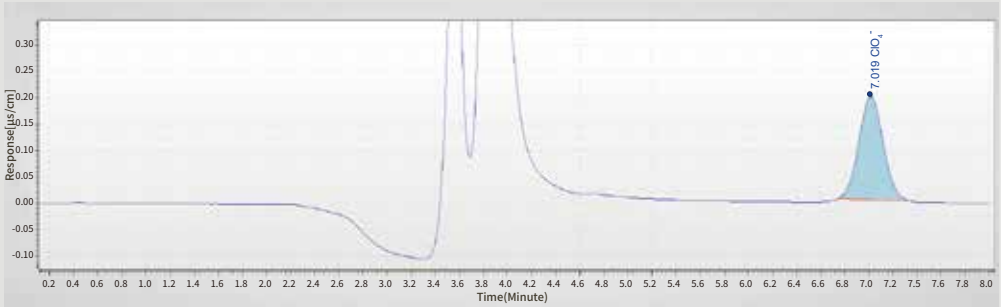
Model	IC-10
Application areas	Electronics, Environmental, Food, Geological, Cosmetics, Drinking water, and other fields.
Detection Limit	ppb level
Flow Rate Range	0.01-5.00 mL/min (increment of 0.01 mL/min)
Flow Rate Accuracy	＜0.2%
Pressure Range	0~5000psi（35MPa）
Pressure Pulsation	＜0.1%
Column Compartment Temperature Range:	Room temperature +5°C to 80°
Temperature Stability	±0.1℃
Software	EasySpec Workstation provides Instrument control and data acquisition/storage/processing, such as Chromatographic peak integration, qualitative analysis by retention time, peak area and concentration calculations, half-peak width calculation, and signal-to-noise ratio calculation.
Power Supply	220V±10%,50HZ
Instrument Dimensions	Benchtop, modular stacking, 456mm * 420mm * 522mm (LWH)
Instrument Weight	43kg

Applications

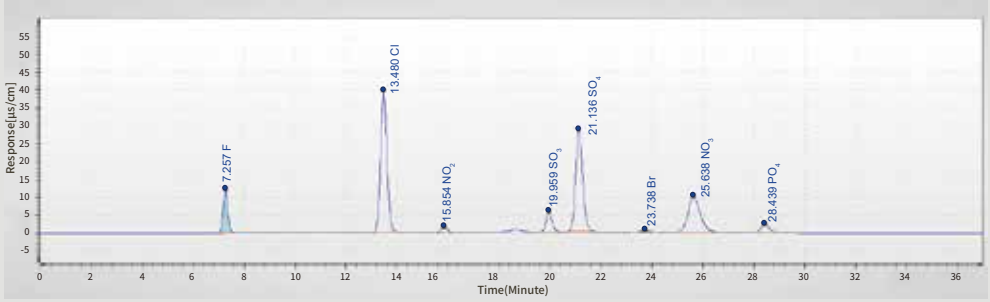
Detection of iodide ion in water



Detection of perchlorate in water (0.5mg/L)



Detection of eight anions in water



Detection of bromate(50μg/L)