and petrochemical industries, semiconductor and high-purity water applications, food and beverage applications, the clinical and pharmaceutical industries, and mining and metallurgical applications.

Key Features

- For laboratory and industrial utilization
- Specifically designed For Amine cations analysis in water or oil
- Integrated tabletop systems with automatic injection system
- Partial loop injection
- Automatic calibration
- Very Sensitive
- Full control by PC
- Powerful data analysis software

Specifications

Conductivity Measuring Range	up to 20000μS/cm at 20 - 1 Hz, sample frequency, Auto zero function for the entire measuring range, Noise: 0.1 nS/cm
Suppression	Optional Electrolytic Auto-Suppressor
Column Oven Temperature	30 °C -90 °C
Pump	Isocratic Pump (analytical, non-metal - Peek version), Pressure Range: 40-0 MPa (6000-0 PSI), Flowrate: 10 – 0.001 ml/min
Degasser	Integrated vacuum degasser
Injection System	Automatic dual needle design to avoid system blockage with wash program and Programmable Injection Volume: 999.9 - 0.1 μ in increments of 0.1 μl, Sample Capacity: 120 samples (1.5 ml), Sample Loop: 100 μl, Carry Over: < 0.05 %
Including	• IC column for determination of Amine cations • Cationic guard column • Clarity Chromatography Software

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ISS
Innovative Scientific Solution

Amine Analyser

Methods: ISO 14911, ISO 10304, ASTM D6919

Amine analyzer utilizing ion chromatography is an essential instrument to separate and quantify Amine cations in various samples, including environmental, industrial, and biological matrices. Ion chromatography (IC) is a subset of liquid chromatography applied to the determination of ionic solutes, such as inorganic anions, cations, transition metals, and low molecular-weight organic acids and bases. Although these solutes can be analyzed using a number of separation and detection modes, ion-exchange is the primary separation mode and suppressed conductivity is the primary method of detection in IC. In addition to environmental applications, IC is now routinely used for the analysis of ionic compounds in diverse areas. These include the chemical