Key Features

- Integrated tabletop system with dual channels for simultaneous anion and cation analysis
- Automatic injection system with partial loop injection
- Automatic calibration
- Uses ion exchange columns
- Anion channel: With suppressed conductivity detection
- Cation channel: With optional suppressed conductivity detection
- Powerful data analysis software for both anion and cation results
- Anion channel: Optimized for inorganic anions
- Cation channel: Optimized for inorganic cations

Specifications

Conductivity Measuring Rang	up to 20000 µS/cm at 20 - 1 Hz sample frequency, Auto zero function for the entire measuring range, Noise: 0.1 nS/cm
Suppression	Electrolytic Auto-Suppressor
Column Oven Temperature	30 °C- 90 °C
Two pumps	Isocratic Pumps (analytical, non-metal - Peek version), Pressure Range: 40-0 MPa (6000-0 PSI), Flow rate: 10 – 0.001 ml/min
Degasser	Integrated vacuum degasser
Injection System	Automatic dual needle design to avoid system with wash program and Programmable Injection Volume: 999.9 - 0.1 µ in increments of 0.1 µl, Sample Capacity: 120 samples (1.5ml), Two sample Loops: 20 and 50 µl, Carry Over: < %0.05
Including	• IC column for determination of anions • Anionic guard column • IC column for determination of cations • Cationic guard column • Clarity Chromatography Software, 21 CFR Part 11 compliant

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ISS
Innovative Scientific Solution

Advanced Anion and Cation Analyser

Methods: EPA 300.0, EPA 300.1, ASTM D4327-17 , ISO 10304-1:2007, ISO 10304-2:1995, ISO 10304-4:1997, ISO 14911, ISO 10304, ASTM D6919

The Alkalinity Analyser from ISS based on Ion-exclusion The Anion and Cation Analyser is an advanced, dual-channel analytical instrument that employs ion chromatography to simultaneously detect and quantify both anions and cations in a wide range of samples. This two-channel system is designed to analyze environmental, industrial, and biological matrices with high efficiency and accuracy.