Key Features

- Specifically designed for Bromate anion analysis
- Integrated tabletop systems with automatic injection system
- Limit of detection (Bromate): < 2 ppb
- Also suitable for analysis of other inorganic anions
- Uses ion exchange column with suppressed conductivity detection
- Electrolytic suppression system
- Metal-free flow paths
- Full control by PC
- Powerful data analysis software

Specifications

UV/Vis Detector	up to 20000µS/cm at 20 - 1 Hz, sample frequency, Auto zero function for the entire measuring range, Noise: 0.1 nS/cm
PCR	Optional Electrolytic Auto-Suppressor
Column Oven Temperature	30 °C- 90 °C
Pumps	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 (1.5ml), Sample Loop: 100 µ, Carry Over: < %0.05
Options	• Conductivity Detector: Conductivity Measuring range 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
Including	• IC column for determination of bromate • Guard column • Clarity Chromatography Software • Post column reactor system

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Innovative Scientific Solution

Bromate Analyser

Methods: EPA 300.1, EPA Method 317.0, EPA Method 326.0, ISO 11206:2011

Bromate analyser based on ion chromatography (IC) system is a sophisticated analytical tool used to detect and quantify bromate anion in water. For many applications in environmental, pharmaceutical, and industrial analysis, IC continues to be a reliable and sometimes the only effective method to measure concentrations of ionic species. Although IC is relatively familiar and well established for routine analysis, the instrumentation for it has undergone significant changes. Process applications are also growing in importance and may start to influence the direction of IC instrument design for a direct purpose for example trace bromate analysis in water.