Key Features

- Specifically designed for transition metals analysis
- Automatic injection system
- Automatic calibration
- Uses ion exchange column
- Metal-free flow paths
- Full control by PC
- Powerful data analysis software

Specifications

Pump	Analytical, PEEK version programmable dual-piston pump head for low pulsation; Camshaft constantly lubricated; Pressure Range: 40-0 MPa (-0 6000 PSI) with integrated degasser
Injection System	Automatic sample injector system; Mechanically durable; Self-lubricating bearings; Dual needle design to avoid system blockages due to septum particles; Sample Capacity: 120 samples (1.5 ml), Sample Loop: 20 µl, Carry Over: < 0.05 % with wash program
Column Oven	Temperature range: 100-30 ˚C; Temperature accuracy: <0.1 ˚C
PCR	High efficiency post column reactor
Detector	Variable -1channel UV/Vis detector with deuterium and tungsten lamp, Wavelength range: 800-190 nm; Wavelength accuracy: 2± nm; Linearity: <2.0 AU, baseline noise: 5-10×1±
Including	• IC column for determination of cations • Cationic guard column • Clarity Chromatography Software

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ISS
Innovative Scientific Solution

Transition Metal Analyser

Methods: EPA/600/4-90/025

The Transition Metal Analyser from ISS using ion chromatography (IC) is ideal for the common accepted method in determination of transition metals in water. IC has proven to be very useful for the simple, rapid, and reliable determination of aqueous ionic species. Both organic and inorganic ions have been separated and detected by IC. High sensitivity, freedom from matrix interferences, specificity in analyzing similar types of ions, multiple ion determinations in a single chromatographic run... are the advantages of IC. Ion chromatography has found widespread use in applied research, trace and ultra trace analysis, quality control, and many other areas where analytical chemistry is used.