



**TECNO-CENTER C.A.**

*Equipos de laboratorio y procesos*

RIF: J-07550070-9

## IC1010 Ion Chromatography System--

Supplier: Techcomp Analytical Instruments

IC1010 is the latest ion chromatography model developed by Techcomp on the basis of IC1000. It provides an easy control and fast measurement of various ions. The all-in-one design of IC1010 not only optimizes the routine ion analysis, but also makes the operation much user-friendly. The PEEK flow path on IC1010 are highly resistance to acid and base as well as 100% compatible with organic solvents.

### Removal of Carbonic Acid

With the most advanced (the sixth generation) suppression technology, IC1010 can remove

carbonic acid in eluent efficiently by chemical equilibrium so as to eliminate H<sub>2</sub>O negative peak in the spectrum. IC1010 is compatible with other manufacturer's columns.

### Open System Design

Incorporation of open system design of IC1010, it provides high flexibility in working with columns and even suppressors from other manufacturers.

### Lower Running Cost

Because eluent has limited selectivity to multivalent ions, it often requires using specified column and even gradient elution. By using NaCO<sub>3</sub>/NaHCO<sub>3</sub> eluent, measurement can be perform with common column and gradient elution, resulting in saving cost.

### Injector

IC1010 uses Rheodyne 9725i, all PEEK injector, to ensure precise sample loading. Automatic injection can be done by using electronic-controlled Rheodyne 9750E06 injector.

### LCD Display

Large LCD can display conductivity, coefficient of temperature compensation, oven temperature and other column setting parameters simultaneously.

### 1.2 IC1010 Ion Chromatography Techcomp Analytical Instrument

IAM conductivity detector specification

Conductivity range: 0.1  $\mu$ S to 1000 $\mu$ S

Noise Level: 1.5%FS

Baseline Shift:  $\pm$ 3%

Conductivity cell: Bi-polar pulse electrode

Electrode material: US316 Stainless Steel

Conductivity cell volume: 1.3 $\mu$ L

Warranty period : One year (including suppressor)

Column oven temperature range: 5°C above ambient to 80°C

Column oven temperature precision:  $\pm$ 0.1°C

Dimension of Column oven: 285 x 70 x 52 mm

Power Requirement: AC 220V/110V,  $\pm$ 10%, 50/60Hz. Ion Chromatography System

